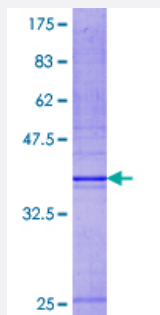


# HPS1 (Human) Recombinant Protein (Q01)

Catalog # H00003257-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                               |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| Product Description           | Human HPS1 partial ORF ( NP_000186.2, 96 a.a. - 200 a.a.) recombinant protein with GST-tag at N-terminal.     |
| Sequence                      | GDHTESEGDLRRLKLYVLKYLFEVHFGLVTDGHLIRKELRPPDLAQRVQLWEHFQSLLWTYSRLR<br>EQEQCFAVEALERLIHPQLCELCIEALERHVIQAVNTSPE |
| Host                          | Wheat Germ (in vitro)                                                                                         |
| Theoretical MW (kDa)          | 37.29                                                                                                         |
| Interspecies Antigen Sequence | Mouse (79); Rat (83)                                                                                          |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                                                         |
| Purification                  | Glutathione Sepharose 4 Fast Flow                                                                             |
| Quality Control Testing       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                   |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                      |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                               |
| Note                          | Best use within three months from the date of receipt of this protein.                                        |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — HPS1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3257</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| GeneBank Accession# | <a href="#">NM_000195</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Accession#  | <a href="#">NP_000186.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name           | HPS1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Alias          | HPS, MGC5277                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description    | Hermansky-Pudlak syndrome 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID             | <a href="#">203300</a> <a href="#">604982</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Summary        | This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Multiple transcript variants encoding distinct isoforms have been identified for this gene; the full-length sequences of some of these have not been determined yet. [provided by RefSeq] |
| Other Designations  | Hermansky-Pudlak syndrome 1 protein Hermansky-Pudlak syndrome type 1 OTTHUMP00000020245 OTTHUMP00000020246                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Disease

- [Albinism](#)
- [Alzheimer Disease](#)

- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hermanski-Pudlak Syndrome](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Myocardial Infarction](#)
- [Skin Neoplasms](#)
- [Stroke](#)