

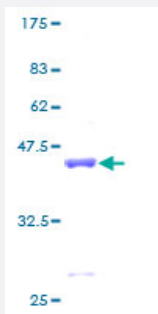
Full-Length

## NPC2 (Human) Recombinant Protein (P01)

Catalog # H00010577-P01

Size 25 ug, 10 ug

### Applications



### Specification

|                               |                                                                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Human NPC2 full-length ORF ( AAH02532, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.                                                      |
| Sequence                      | MRFLAATFLLLALSTAAQAEPVQFKDCGSVDGVIKEVNVSPCPTQPCQLSKGQSYSVNVTFTSNI<br>QSKSSKAVVHGILMGVPVPFPIPEPDGCKSGINCPIQKDKTYSYLNKLPVKSEYPSIKLVVEWQLQ<br>DDKNQSLFCWEIPVQVSHL |
| Host                          | Wheat Germ (in vitro)                                                                                                                                          |
| Theoretical MW (kDa)          | 42.35                                                                                                                                                          |
| Interspecies Antigen Sequence | Mouse (81); Rat (80)                                                                                                                                           |
| 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 — NPC2

Entrez GeneID [10577](#)

GeneBank Accession# [BC002532](#)

Protein Accession# [AAH02532](#)

Gene Name NPC2

Gene Alias HE1, MGC1333, NP-C2

Gene Description Niemann-Pick disease, type C2

Omim ID [601015 607625](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein containing a lipid recognition domain. The encoded protein may function in regulating the transport of cholesterol through the late endosomal/lysosomal system. Mutations in this gene have been associated with Niemann-Pick disease, type C2 and frontal lobe atrophy. [provided by RefSeq]

**Other Designations** epididymal secretory protein|epididymal secretory protein E1|tissue-specific secretory protein

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Niemann-Pick Disease](#)