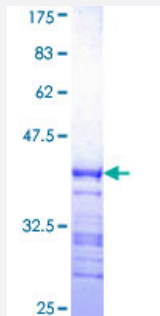


# GPS2 (Human) Recombinant Protein (Q01)

Catalog # H00002874-Q01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human GPS2 partial ORF ( AAH13652, 228 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QPYAVHGHFQPTQTGFLQPGGALSLQKQMEHANQQTGFS DSSSLRPMHPQALHPAPGLLASPQLPVQMQPAGKSGFAATSQPGPRLPFIQHSQNPRFYHK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (94); Rat (95)
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 — GPS2

Entrez GeneID [2874](#)

GeneBank Accession# [BC013652](#)

Protein Accession# [AAH13652](#)

Gene Name GPS2

Gene Alias AMF-1, MGC104294, MGC119287, MGC119288, MGC119289

Gene Description G protein pathway suppressor 2

Omim ID [601935](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein involved in G protein-mitogen-activated protein kinase (MAPK) signaling cascades. When overexpressed in mammalian cells, this gene could potentially suppress a RAS- and MAPK-mediated signal and interfere with JNK activity, suggesting that the function of this gene may be signal repression. The encoded protein is an integral subunit of the NCOR1-HDAC3 (nuclear receptor corepressor 1-histone deacetylase 3) complex, and it was shown that the complex inhibits JNK activation through this subunit and thus could potentially provide an alternative mechanism for hormone-mediated antagonism of AP1 (activator protein 1) function. [provided by RefSeq]

**Other Designations** OTTHUMP00000128385|OTTHUMP00000163158