

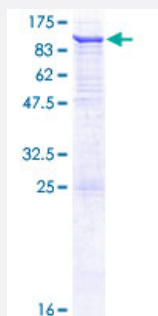
Full-Length

VPS45 (Human) Recombinant Protein (P01)

Catalog # H00011311-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VPS45 full-length ORF (NP_009190.2, 1 a.a. - 570 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNVVFAVKQYISKMIEDSGPGMKVLLMDKETTGIVSMVYTQSEILQKEVYLFERIDSQNREIMKHLK
AICFLRPTKENVDYIQELRRPKYTYFYFSNVISKSDVKSLAEADEQEVVAEVQEFYGDYIAVNPHL
FSLNILGCCQGRNWDPAQLSRTTQGLTALLSLKKCPMIRYQLSSEAARLAECVKQVITKEYELF
EFRRTEVPPLLLILDRCDDAITPLLNQWTYQAMVHELLGINNNRIDLSRVPGISKDLREVVLSAEND
EFYANNMYLNFAEIGSNIKNLMEDFQKKKPKKEQQKLESIADMKAFVENYPQFKKMSGTVSKHVT
VGELSRVLSERNLLEVSEVEQELACQNDHSSALQNIKRLQNPKVTEFDAARLVMLYALHYERHS
SNSLPGLMMDLRNKGVSSEKYRKLVSASSEYGGKRVGSDLFSPKDAVAITKQFLKGLKGVENVY
TQHQPFLHETLDHLIKGRLKENLYPLGPSTLRDRPDIMFVIGGATYEEALTVYNLNRTPGVRML
GGTTVHNTKSFLEEVLASGLHSRSKESQVTSRSASRR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.5

Preparation Method

[in vitro wheat germ expression system](#)

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 — VPS45

Entrez GeneID[11311](#)**GeneBank Accession#**[NM_007259.3](#)**Protein Accession#**[NP_009190.2](#)**Gene Name**

VPS45

Gene Alias

H1, H1VPS45, VPS45A, VPS45B, VPS54A, VSP45, VSP45A

Gene Description

vacuolar protein sorting 45 homolog (S. cerevisiae)

Omim ID[610035](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. [provided by RefSeq]

Other Designations

OTTHUMP00000014482|leucocyte vacuolar protein sorting 45|vacuolar protein sorting 45A

Pathway

- [Endocytosis](#)