

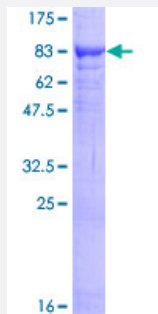
Full-Length

VPS18 (Human) Recombinant Protein (P01)

Catalog # H00057617-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human VPS18 full-length ORF (AAH01513.1, 1 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASILDEYENSLRSRAVLQPGCPSVGIPHSYGYNNAQLEKEVPIFTKQRIDFTPSEKITSLVSSNQL
CMSLGKDTLLRIDLGKANEPNHVELGRKDDAKVHKMFLDHTGSHLLIALSSTEVLVNRNGQKVR
PLARWKGQLVESVGWNKALGTESSTGPILVGTAQGHIFEELSASEGGLFGPAPDLYFRPLYVLN
EEGGPAPVCSLEAERGPDGRSFVIATTRQRLFQFIGRAAEGAEAQGFSGLFAAYTDHPPPFREFP
SNLGYSELAFYTPKLRSAPRAFAWMMGDGVLYGALDCGRPDSSLSEERVWEYPEGVGPASPP
LAVLTQFHFLLLLADRVEAVCTLTGQVVLRDHFLEKFGPLKHMVKDSSTGQLWAYTERAVFRYH
VQREARDVWRTYLDMNRFDLAKEYCRERPDCCLDTVLAREADFCFRQRRYLESARCYALTQSYFE
EIALKFLEARQEEALAEFLQRKLASLKPAERTQATLLTTWLTLYLSRLGALQGDPEALTYREVRN
LTQFHPLPLAPLLSLSFPTHVLFSTREREREHLSSVCSLCGLWNPSSSLSEEAFSSSCL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.4

Interspecies Antigen Sequence

Mouse (89); Rat (89)

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 — VPS18

Entrez GeneID	57617
GeneBank Accession#	BC001513.2
Protein Accession#	AAH01513.1
Gene Name	VPS18
Gene Alias	KIAA1475, PEP3
Gene Description	vacuolar protein sorting 18 homolog (S. cerevisiae)
Omim ID	608551
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 encodes the human homolog of yeast class C Vps18 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. [provided by RefSeq]
Other Designations	vacuolar protein sorting 18 vacuolar protein sorting protein 18

Publication Reference

- [Late endosomal transport and tethering are coupled processes controlled by RILP and the cholesterol sensor ORP1L.](#)

van der Kant R, Fish A, Janssen L, Janssen H, Krom S, Ho N, Brummelkamp T, Carette J, Rocha N, Neefjes J.

Journal of Cell Science 2013 Aug; 126(Pt 15):3462.

Application: IF, WB-Ce, Human, MelJuSo cells