



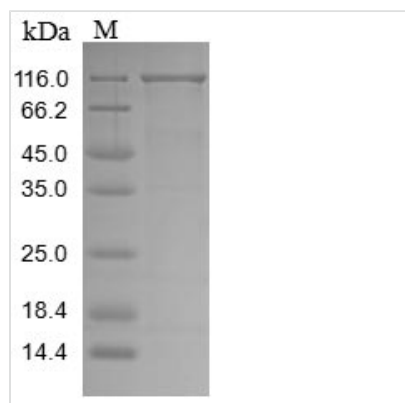
# Recombinant Human Vacuolar protein sorting-associated protein 35 (VPS35)

<b>Product Code</b>	CSB-BP839401HUd8
<b>Relevance</b>	Acts as component of the retromer cargo-selective complex (CSC). The CSC is believed to be the core functional component of retromer or respective retromer complex variants acting to prevent missorting of selected transmembrane cargo proteins into the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. The CSC seems to associate with the cytoplasmic domain of cargo proteins predominantly via VPS35; however, these interactions seem to be of low affinity and retromer SNX proteins may also contribute to cargo selectivity thus questioning the classical function of the CSC. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX3-retromer mediates the retrograde endosome-to-TGN transport of WLS distinct from the SNX-BAR retromer pathway. The SNX27-retromer is believed to be involved in endosome-to-plasma membrane trafficking and recycling of a broad spectrum of cargo proteins. The CSC seems to act as recruitment hub for other proteins, such as the WASH complex and TBC1D5 (Probable). Required for retrograde transport of lysosomal enzyme receptor IGF2R and SLC11A2. Required to regulate transcytosis of the polymeric immunoglobulin receptor (pIgR-pIgA). Required for endosomal localization of WASHC2C. Mediates the association of the CSC with the WASH complex via WASHC2. Required for the endosomal localization of TBC1D5
<b>Abbreviation</b>	Recombinant Human VPS35 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q96QK1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	MPTTQQSPQDEQEKLLDEAIQAVKVVQSFQMKRCLDKNKLMDALKHASNMLGE LRTSMLSPKSYLYMAISDELHYLEVYLTDEFQAKGRKVADLYELVQYAGNIIPR LYLLITVGVVYVKSFPQSRKDILKDLVEMCRGVQHPLRGLFLRNYLLQCTRNLIP DEGEPTDEETTGDISDSMDFVLLNFAEMNKLWVRMQHQGHSRDREKRERER QELRILVGTNLVRLSQLEGVNVRYKQIVLTGILEQVNCRDALAEYLMECIIQ VFPDEFHLQTLNPFRLRACAEHQNVNKNIIIALIDRLALFAHREDGPGIPADIKL FDIFSQQVATVIQSRQDMPSEDVVSLSLQVSLINLAMKCYPDRVDYVDKVLETTVE IFNKLNLEHIATSSAVSKELTRLLKIPVDTYNNILTVLKLFHPLFEYFDYESRK SMSCYVLSNVLDYNTTEIVSQDQVDSIMNLVSTLIQDQPDQPVDPDPEDFADE



QSLVGRFIHLLRSEDPDQQYLILNTARKHFGAGGNQRIRFTLPPLVFAAYQLAF  
 RYKENSKVDDKWEKKCQKIFSFAHQ TISALIKAELAELPLRLFLQGALAAGEIGF  
 ENHETVAYEFMSQAFSLYEDEISDSKAQLAAITLIIGTFERMKCFSEENHEPLRT  
 QCALAASKLLKPKDQGRAVSTCAHLFWSGRNTDKNGEELHGGKRVM ECLKK  
 ALKIANQCMDPSLQVQLFIEILNRYIYFYEKENDAVTIQVLNQLIQKIREDLPNLE  
 SSEETEQINKHFHNTLEHLRLRRESPESSEGP IY EGLIL

<b>Research Area</b>	Signal Transduction
<b>Source</b>	Baculovirus
<b>Target Names</b>	VPS35
<b>Protein Names</b>	Maternal-embryonic 3 Vesicle protein sorting 35 MEM3
<b>Expression Region</b>	1-796aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal MBP-tagged and C-terminal 6xHis-tagged
<b>Mol. Weight</b>	135.7 kDa
<b>Protein Length</b>	Full Length

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.