



Recombinant Human Charged multivesicular body protein 2b (CHMP2B)

Product Code	CSB-EP891990HU
Relevance	Probable core component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4.
Abbreviation	Recombinant Human CHMP2B protein
Storage	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.
Uniprot No.	Q9UQN3
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ASLFKKKTVDDVIKEQNRELRGTRQRAIIRDRAALEKQEKQLELEIKKMAKIGNKE ACKVLAKQLVHLRKQKTRTFVSSKVTSMSTQTKVMNSQMKMAGAMSTTAKT MQAVNKKMDPQKTLQTMQNFQKENMKMEMTEEMINDTLDDIFDGSDDDEES QDIVNQVLDEIGIEISGKMAKAPSAARSLPSASTSKATISDEEIERQLKALGVD
Research Area	Signal Transduction
Source	E.coli
Target Names	CHMP2B
Protein Names	Recommended name: Charged multivesicular body protein 2b Alternative name(s): CHMP2.5 Chromatin-modifying protein 2b Short name= CHMP2b Vacuolar protein sorting-associated protein 2-2 Short name= Vps2-2 Short name= hVp
Expression Region	2-213aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

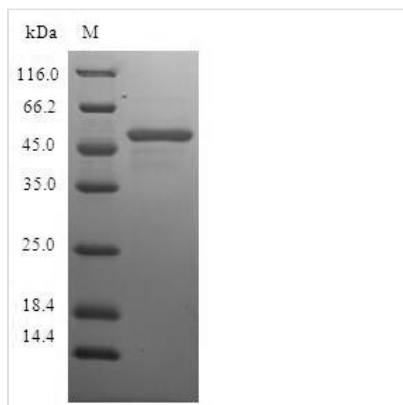
N-terminal GST-tagged

Mol. Weight

50.8kDa

Protein Length

Full Length of Mature Protein

Image


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

Shelf Life

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