

Recombinant Human CHMP2B, His-tagged

Cat. No. CHMP2B-3578H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CHMP2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-213 aa).
Species	Human
Source	E.coli
Description	CHMP2B belongs to the vacuolar sorting protein family. It is a component of the ESCRT-III complex. This complex is crucial for sorting endosomal articles into multivesicular bodies (MVBs), and are also required for the formation of these bodies. CHMP2B widely expressed in brain, heart, skeletal muscle, small intestine, pancreas, lung, placenta and leukocytes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.
Molecular Weight	26.1 kDa (233aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)
Purity	> 90 % by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MASLFKKKTV DDVIKEQNRE LRGTQRAIIR

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acids

DRAALEKQEK QLELEIKKMA KIGNKEACKV LAKQLVHLRK QKTRTFVAVSS
 KVTSMSSTQTK VMNSQMKMAG AMSTTAKTMQ AVNKKMDPQK TLQTMQNFQK
 ENMKMEMTEE MINDTLDDIF DGSDDEEESQ DIVNQLDEI GIEISGKMAK
 APSAARSLPS ASTSKATISD EEIERQLKAL GVD

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [CHMP2B chromatin modifying protein 2B \[Homo sapiens \]](#)

Official Symbol CHMP2B

Synonyms

CHMP2B; DMT1; VPS2B; VPS2-2; CHMP2.5; CGI-84; DKFZp564O123; chromatin modifying protein 2B ; charged multivesicular body protein 2b; hVps2-2; VPS2 homolog B; chromatin-modifying protein 2b; vacuolar protein sorting-associated protein 2-2; vacuolar protein-sorting-associated protein 2-2; VPS2 homolog B (S. cerevisiae); Charged multivesicular body protein 2b; Vacuolar protein sorting-associated protein 2-2; OTTHUMP00000213795; OTTHUMP00000213812; OTTHUMP00000213813; Chromatin-modifying protein 2b

Gene ID [25978](#)

mRNA Refseq [NM_014043](#)

Protein Refseq [NP_054762](#)

MIM [609512](#)

UniProt ID [Q9UQN3](#)

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Chromosome Location	3p11.2
Function	protein binding; protein binding

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