Recombinant human CHMP2B protein

Catalog Number: ATGP1115

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-213aa

UniProt No.
Q9UQN3

NCBI Accession No.
NP_054762.2

Alternative Names
Charged multivesicular body protein 2B, Charged multivesicular body protein 2b, CHMP2.5, Chromatin-modifying protein 2b, CHMP2b, Vacuolar protein sorting-associated protein 2-2, Vps2-2, hVps2-2

PRODUCT SPECIFICATION

Molecular Weight
26.1 kDa (233aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human CHMP2B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

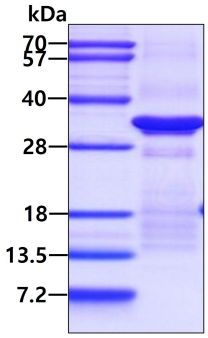
<MGSSHHHHHH SSGLVPRGSH> MASLFKKKTV DDVIKEQNRE LRGTQRAIIR DRAALEKQEK QLELEIKKMA KIGNKEACKV LAKQLVHLRK QKTRTFAVSS KVTSMSTQTK VMNSQMKMAG AMSTTAKTMQ AVNKKMDPQK TLQTMQNFQK ENMKMEMTEE MINDTLDDIF DGSDDEEESQ DIVNQVLDEI GIEISGKMAK APSAARSLPS ASTSKATISD EEIERQLKAL GVD

General References

Rizzu P., et al. (2006) Am J Med Genet B Neuropsychiatr Genet. 141B(8):944-6.
Stuchell-Brereton MD., et al. (2007) Nature. 449(7163):740-4.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.