

AR39055PU-N

Human CHMP2B (1-213, His-tag) - Purified

Alternate names:

CGI-84, CHMP2.5, Charged multivesicular body protein 2b, Chromatin-modifying protein 2b, Vacuolar protein-sorting-associated protein 2-2, hVps2-2

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9UQN3](#)

NCBI:

[NP_054762](#)

GeneID:

[25978](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl

Description:

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

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MASLFKKKTV DDVIKEQNRE LRGTQRAIIR DRAALEKQEK
QLELEIKKMA KIGNKEACKV LAKQLVHLRK QKTRTFVSS KVTSMSTQTK VMNSQMKMAG
AMSTTAKTMQ AVNKKMDPQK TLQTMQNFQK ENMKMEMTEE MINDTLDDIF DGSDDDEESQ
DIVNQVLDEI GIEISGKMAK APSAARSLPS ASTSKATISD EEIERQLKAL GVD

Molecular weight: 26.1 kDa (233aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher).

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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.

Pictures:

Recombinant human CHMP2B, 1-213 aa,
His-tagged

