

AR50395PU-N

Human CHMP1B (1-199, His-tag) - Purified

Alternate names:

C18orf2, CHMP1.5, Charged multivesicular body protein 1b, Chromatin-modifying protein 1b

Quantity:

0.1 mg

Concentration:

0.25mg/ml (determined by Bradford assay)

Background:

CHMP1B, also known as charged multivesicular body protein 1b, is probable peripherally associated 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.

Uniprot ID:

[Q7LBR1](#)

NCBI:

[NP_065145](#)

GenelD:

[57132](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant human CHMP1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMSNMEK HLFNLKFAAK ELSRSAKKCD KEEKAEEKAKI
KKAIQKGNME VARIHAENAI RQKNQAVNFL RMSARVDAVA ARVQTAVTMG KVTKSMAGVV
KSMDATLKTM NLEKISALMD KFEHQFETLD VQTQQMEDTM SSTTTLTPQ NQVDMLLQEM
ADEAGLDLNM ELPQGQTGSV GTSVASAEQD ELSQRLARLR DQV

Molecular weight: 24.7 kDa (223aa), confirmed by MALDI-TOF(Molecular weight on SDS-PAGE will appear higher)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Martin-Serrano J., et al. (2003) Proc. Natl. Acad. Sci. U.S.A. 100:12414-12419Bajorek M., et al. (2009) Mol. Biol. Cell. 20:1360-1373

Pictures:

