

AR50564PU-N**Human CHMP5 (1-219, His-tag) - Purified****Alternate names:**

C9orf83, CHMP-5, Charged multivesicular body protein 5, Chromatin-modifying protein 5, SNF7 domain-containing protein 2, SNF7DC2, Vacuolar protein-sorting-associated protein 60, Vps60, hVps60

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

CHMP5 belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression.

Uniprot ID:

[Q9NZZ3](#)

NCBI:

[NP_057494](#)

GeneID:

[51510](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol

Description:

Recombinant human CHMP5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMMNRLFG KAKPKAPPPS LTDCIGTVDS RAESIDKKIS
RLDAELVKYK DQIKKMREGP AKNMVKQKAL RVLKQKRMYE QQRDNLAQQS FNMEQANYTI
QSLKDTKTTV DAMKLGVKEM KKAYKQVKID QIEDLQDQLE DMMEDANEIQ EALSRSYGT
ELDEDDLEAE LDALGDELLA DEDSSYLDEA ASAPAIPEGV PTDTKNKDGV LVDEFGLPQI PAS

Molecular weight: 27 kDa (243aa) confirmed by MALDI-TOF

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:

Howard TL, Stauffer DR, et al. (2001). J Cell Sci. 2395-404. Ward DM, Vaughn MB, et al. (2005). J Biol Chem. 18;280(11):10548-55. Epub 2005 Jan 11.

Pictures:

