

Recombinant human CHMP5 protein

Catalog Number: ATGP1740

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-219aa

UniProt No.

Q9NZZ3

NCBI Accession No.

NP_057494

Alternative Names

Charged multivesicular body protein 5, Chromatin-modifying protein 5, SNF7 domain-containing protein 2, Vacuolar protein sorting-associated protein 60, Vps60, hVps60, C9orf83, SNF7DC2, HSPC177, CGI-34

PRODUCT SPECIFICATION

Molecular Weight

27 kDa (243aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol

Purity

> 80% 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

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. Recombinant human CHMP5 protein,

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

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MNRLFG KAKPKAPPPS LTDCIGTVDS RAESIDKKIS RLDAELVKYK
DQIKKMREGP AKNMVKQKAL RVLKQKRMYE QQRDNLAQQS FNMEQANYTI QSLKDTKTTV DAMKLGVKEM KKAYKQVKID
QIEDLQDQLE DMMEDANEIQ EALRSYGTPELDEDDLEAE LDALGDELLA DEDSSYLDEA ASAPAIPEGV PTDTKNKDGV
LVDEFGLPQI PAS

General References

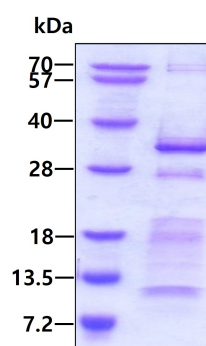
Howard TL, Stauffer DR, et al. (2001). J Cell Sci. 2395-404.

Ward DM, Vaughn MB, et al. (2005). J Biol Chem. 18

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DATA

SDS-PAGE



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