

Product datasheet

Recombinant Human CHMP5 protein ab134604

1 Image

Description

Product name	Recombinant Human CHMP5 protein
Purity	> 80 % SDS-PAGE. ab134604 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9NZZ3</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMNRLFG KAKPKAPPPS LTDCIGTVDS RAESIDKKIS RLDAELVKYK DQIKKMREGP AKNMVKQKAL RVLKQKRMYE QQRDNLAQQS FNMEQANYTI QSLKDTKTTV DAMKLGVKEM KKA YKQVKID QIEDLQDQLE DMMEDANEIQ EALSRSYGTP ELDEDDLEAE LDALGDELLA DEDSSYLDEA ASAPAIPEGV PTDTKNKDG V LVDEFGLPQI PAS
Predicted molecular weight	27 kDa including tags
Amino acids	1 to 219
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab134604** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function

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. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. Involved in HIV-1 p6- and p9-dependent virus release.

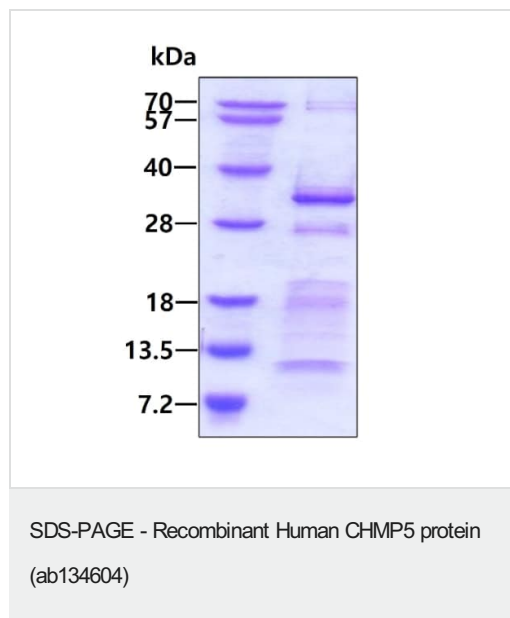
Sequence similarities

Belongs to the SNF7 family.

Cellular localization

Cytoplasm > cytosol. Endosome membrane. Localizes to the midbody of dividing cells. Localized in two distinct rings on either side of the Fleming body.

Images



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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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 - Response to your inquiry within 24 hours

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 - We investigate all quality concerns to ensure our products perform to the highest standards

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