

## Product datasheet

# Recombinant Human CHMP6/VPS20 protein ab124606

1 Image

### Description

<b>Product name</b>	Recombinant Human CHMP6/VPS20 protein
<b>Purity</b>	> 95 % SDS-PAGE. ab124606 is purified by using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<u><b>Q96FZ7</b></u>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHH SSGLVPRGSH MGS</b> HMGNLFG RKKQSRVTEQ DKAILQLKQQ RDKLRQYQKR IAQQLERERA LARQLLRDGR KERAKLLKK KRYQEQLLDR TENQISSLEA MVQSIEFTQI EMKVMEGLQF GNECLNKM HQ VMSIEEVERI LDETQEAVEY QRQIDELLAG SFTQEDEDAL LEELSAITQE QIELPEVPSE PLPEKIPENV PVKARPRQAE LVAAS
<b>Predicted molecular weight</b>	26 kDa including tags
<b>Amino acids</b>	1 to 201
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab124606** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as CHMP6

## 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: 0.03% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

## General Info

---

### Function

Probable core 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. In the ESCRT-III complex, it probably serves as an acceptor for the ESCRT-II complex on endosomal membranes.

### Tissue specificity

Ubiquitously expressed.

### Sequence similarities

Belongs to the SNF7 family.

### Domain

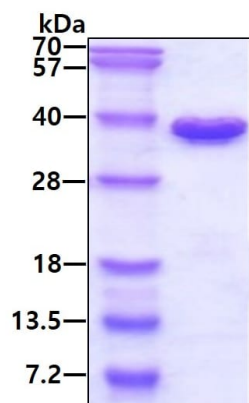
The acidic C-terminus and the basic N-terminus are thought to render the protein in a closed, soluble and inactive conformation through an autoinhibitory intramolecular interaction. The open and active conformation, which enables membrane binding and oligomerization, is achieved by interaction with other cellular binding partners, probably including other ESCRT components.

### Cellular localization

Endomembrane system. Endosome membrane. Late endosome membrane. Localizes to endosomal membranes.

## Images

---



SDS-PAGE - Recombinant Human CHMP6/VPS20  
protein (ab124606)

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

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

#### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors