

# Recombinant Human VPS24 protein ab109845

[1 References](#) [画像数 1](#)

### 製品の詳細

製品名	Recombinant Human VPS24 protein
精製度	> 90 % SDS-PAGE. ab109845 is purified by using conventional chromatography techniques.
発現系	Escherichia coli
アクセッション番号	<b>Q9Y3E7</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<b>MGSSHHHHHSSGLVPRGSHRKAVSKLYASKAHMNSVLMG MKNQLAVLRV AGSLQKSTEVKAMQSLVKIPEIQATMRELSKEMMKAGIIEE MLEDTFES MDDQEEMEEEMGLFGKTQEKPPKELVNEWSLKIRKEMRVVDR QIRDIQRE EEKVKRSVKDAAKKGQKDVCIVLAKEMIRSAEMEIDRILFEI TAGALGKA PSKVTDALPEPEPPGAMAASEDEEEEEALEAMQSRLATLRS</b>
予測される分子量	27 kDa including tags
領域	1 to 222
タグ	His tag N-Terminus

### 特性

Our **Abpromise guarantee** covers the use of **ab109845** in the following tested applications.

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

アプリケーション	SDS-PAGE
質量分析	MALDI-TOF
製品の状態	Liquid

### 前処理および保存

**保存方法および安定性**

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: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.058% Sodium chloride

**関連情報**

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**機能**

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. Selectively binds to phosphatidylinositol 3,5-bisphosphate PtdIns(3,5)P<sub>2</sub> and PtdIns(3,4)P<sub>2</sub> in preference to other phosphoinositides tested. Involved in late stages of cytokinesis. Required for sorting/trafficking of EGF receptor.

**組織特異性**

Widely expressed. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

**配列類似性**

Belongs to the SNF7 family.

**ドメイン**

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.

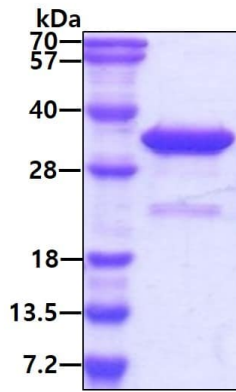
**細胞内局在**

Cytoplasm > cytosol. Membrane. Endosome. Late endosome membrane. Localizes to the midbody of dividing cells.

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**画像**

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3 $\mu$ g by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

SDS-PAGE - Recombinant Human VPS24 protein  
(ab109845)

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

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