

# Recombinant human VPS29 protein

Catalog Number: ATGP1489

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-182aa

### UniProt No.

Q9UBQ0

### NCBI Accession No.

NP\_057310

### Alternative Names

Vacuolar protein sorting-associated protein, DC15, DC7, PEP11, VPS29 retromer complex component, Vesicle protein sorting 29

## PRODUCT SPECIFICATION

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### Molecular Weight

23.2 kDa (207aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

### Purity

> 90% 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

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### Description

Vacuolar protein sorting 29, also known as VPS29, belongs to a group of genes coding for vacuolar protein sorting (VPS) proteins that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. It is a late Golgi transmembrane protein that acts as the sorting receptor for soluble vacuolar hydrolases, from the prevacuolar endosome back to the Golgi. Also, VPS29 may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment. Recombinant human VPS29 protein,

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

### Amino acid Sequence

MGSSHHHHHHH SSSLVPRGSH MGSMMMLLVV LGDLHIPHRC NSLPAKFKKL LVPGKIQHIL CTGNLCTKES YDYLKTLAGD  
VHIVRGDFDE NLNYPEQKVV TVGQFKIGLI HGHQVIPWGD MASLALLQRQ FDVDILISGH THKFEAFEHE NKFYINPGSA  
TGAYNALETN IIPSFVLMDI QASTVVITYVY QLIGDDVKVE RIEYKKP

### General References

Verges M., et al. (2004) Nat. Cell Biol. 6:763-769

Damen E., et al. (2006) Biochem. J. 398:399-409

## DATA

### SDS-PAGE

(kDa)

57

40

28

18

13.5



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

15% SDS-PAGE (3ug)