PRODUCT INFORMATION

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

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

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,



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

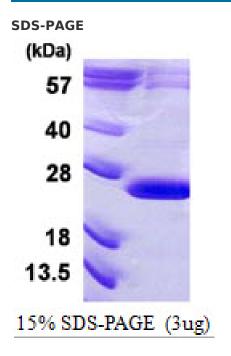
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMMLVLV LGDLHIPHRC NSLPAKFKKL LVPGKIQHIL CTGNLCTKES YDYLKTLAGD VHIVRGDFDE NLNYPEQKVV TVGQFKIGLI HGHQVIPWGD MASLALLQRQ FDVDILISGH THKFEAFEHE NKFYINPGSA TGAYNALETN IIPSFVLMDI QASTVVTYVY 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



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