Recombinant mouse VPS29 protein

Catalog Number: ATGP1468

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-182aa

UniProt No.
Q9QZ88

NCBI Accession No.
NP_062754

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

PRODUCT SPECIFICATION

Molecular Weight
23.2 kDa (207aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity
> 95% 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 Mouse VPS29 protein,

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

Amino acid Sequence

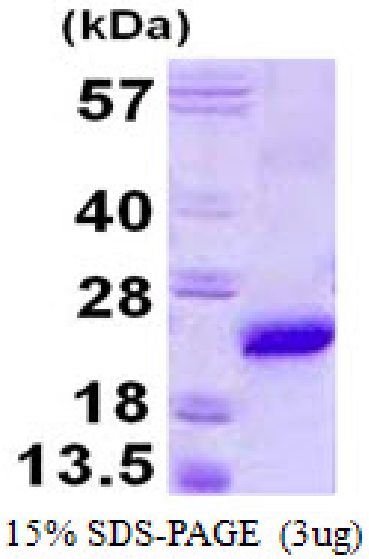
MGSSHHHHHH SSGLVPRGSH MGSHMMLVLV LGDLHIPHRC NSLPAKFKKL LVPGKIQHIL CTGNLCTKES YDYLKTLAGD VHIVRGDFDE NLNYPEQKVV TVGQFKIGLI HGHQVIPWGD MASLALLQRQ FDVDILISGH THKFEAFEHE NKFYINPGSA TGAYNALETN IIPSFVLMDI QASTVVTYVY QLIGDDVKVE RIEYKKS

General References

Edgar AJ., et al. (2000) Biochem Biophys Res Commun. 277(3):622-30.
Wanq D., et al. (2005) J Biol Chem. 280(24):22962-7.

DATA

SDS-PAGE



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