

Recombinant human VPS24/CHMP3 protein

Catalog Number: ATGP1103

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-222aa

UniProt No.

Q9Y3E7

NCBI Accession No.

NP_057163

Alternative Names

Charged multivesicular body protein 3, CGI-149, CHMP3, FLJ38114, NEDF

PRODUCT SPECIFICATION

Molecular Weight

27.2 kDa (242aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M 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

VPS24, also known as Charged multivesicular body protein 3 (CHMP3), belongs to the vacuolar sorting protein family and function as chromatin modifying proteins. It associates directly with CHMP2 and CHMP4 for the disassembly of ESCRT-III complex in an ATP-dependent manner. During HIV-1 infection, the virus uses the ESCRT-III complex to mediate budding and exocytosis of viral proteins. Overexpression of VPS24 strongly inhibits HIV-1 release. Recombinant human VPS24 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

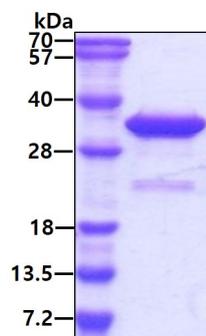
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SKEMMKAGII EEMLEDTFES MDDQEEMEEE AEMEIDRILF EITAGALGKA PSKVTDALPE PEPPGAMAAS EDEEEEEEEAL
EAMQSRLATL RS

General References

Muziol T. et al. (2006) Dev. Cell. 10: 821-830.
Bache K.G. et al. (2006) Mol. Biol. Cell 17: 2513-2523.

DATA

SDS-PAGE



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