

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

<MGSSHHHHHH SSGLVPRGSH> MGLFGKTQEK PPKELVNEWS LKIRKEMRVV DRQIRDIQRE EEKVKRSVKD
AAKKGQKDVC IVLAKEMIRS RKA VSKLYAS KAHMNSVLMG MKNQLAVLRV AGSLQKSTEV MKAMQSLVKI PEIQATMREL
SKEMMKAGII EEMLEDTFES MDDQEEMEEE AEMEIDRILF EITAGALGKA PSKVTDALPE PEPPGAMAAS EDEEEEEEEAL
EAMQSRLATL RS

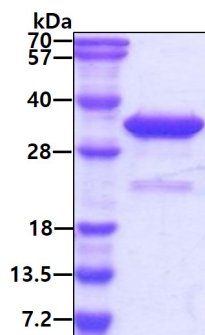
General References

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