

AR39043PU-N**Human VPS24 (1-222, His-tag) - Purified****Alternate names:**

CGI-149, CHMP3, Charged multivesicular body protein 3, Chromatin-modifying protein 3, NEDF, Neuroendocrine differentiation factor, Vacuolar protein-sorting-associated protein 24

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9Y3E7](#)

NCBI:

[NP_001005753](#)

GeneID:

[100526767](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant human VPS24 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

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

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

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

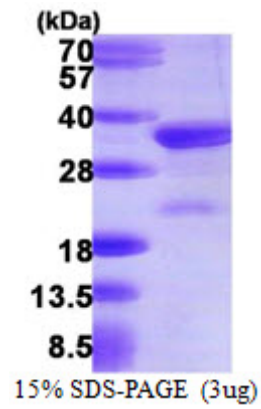
Shelf life: one year from despatch.

General Readings:

Muziol T. et al. (2006) Dev. Cell. 10: 821-830.

Bache K.G. et al. (2006) Mol. Biol. Cell 17: 2513-2523.

Pictures:



Recombinant human VPS24, 1-222aa, His-tagged

