

Recombinant Human VPS24, His-tagged

Cat. No. VPS24-3561H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VPS24 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-222aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT
Molecular Weight	27.2 kDa (242aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences Of Amino Acids	GSSHHHHHH SSGLVPRGSH MGLFGKTQEK PPKELVNEWS LKIRKEMRVV DRQIRDIQRE EEKVKRSVKD AAKKGQKDVC IVLAKEMIRS RKA VSKLYAS

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KAHMNSVLMG MKNQLAVLRV AGSLQKSTEV MKAMQSLVKI PEIQATMREL
 SKEMMKAGII EEMLEDTFES MDDQEEMEEE AEMEIDRILF EITAGALGKA
 PSKVTDALPE PEPPGAMAAS EDEEEEEEEAL EAMQSRLATL RS.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

VPS24 vacuolar protein sorting 24 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

VPS24

Synonyms

VPS24; vacuolar protein sorting 24 homolog (*S. cerevisiae*); NEDF; CHMP3; CGI-149; FLJ38114; charged multivesicular body protein 3; 25.1 protein; OTTHUMP00000203324; OTTHUMP00000203325; OTT- HUMP00000203326; CHMP family, member 3; chromatin-modifying protein 3; neuroendocrine differentiation factor; vacuolar protein sorting-associated protein 24; hVps24; vacuolar protein sorting 24 (yeast); Neuroendocrine differentiation factor; Vacuolar protein sorting-associated protein 24

Gene ID

51652

mRNA Refseq

NM_016079

Protein Refseq

NP_057163

MIM

610052

UniProt ID

Q9Y3E7

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Chromosome
Location 2p11.2

Function protein binding

PDBrendering based
on 2gd5.

