

## Recombinant Human VPS24, His-tagged

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

### SPECIFICATION

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

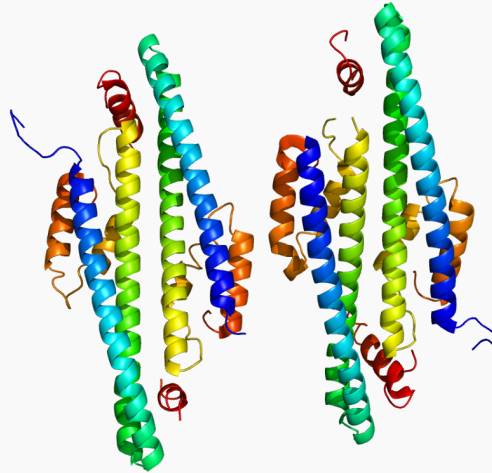
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<b>Chromosome Location</b>	2p11.2
<b>Function</b>	protein binding

PDBrendering based on 2gd5.



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