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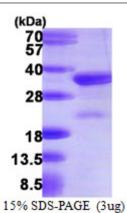
AR39043PU-N Human VPS24 (1-222, His-tag) - Purified

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:	<u>Q9Y3E7</u>
NCBI:	<u>NP_001005753</u>
GenelD:	<u>100526767</u>
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH8.0) containing 20% glycero, 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: <u>MGSSHHHHHH SSGLVPRGSH</u> MGLFGKTQEK PPKELVNEWS LKIRKEMRVV DRQIRDIQRE EEKVKRSVKD AAKKGQKDVC IVLAKEMIRS RKAVSKLYAS KAHMNSVLMG MKNQLAVLRV AGSLQKSTEV MKAMQSLVKI PEIQATMREL SKEMMKAGII EEMLEDTFES MDDQEEMEEE AEMEIDRILF EITAGALGKA PSKVTDALPE PEPPGAMAAS EDEEEEEAL 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.

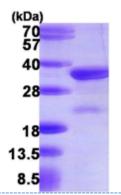
For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

MP/20130116

Pictures:



Recombinant human VPS24, 1-222aa, Histagged



15% SDS-PAGE (3ug)

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