

## 32-5231: Recombinant Human Vacuolar Protein Sorting 24

**Alternative Name :** Charged multivesicular body protein 3, Chromatin-modifying protein 3, Neuroendocrine differentiation factor, Vacuolar protein sorting-associated protein 24, hVps24, CHMP3, CGI149, NEDF, VPS24, CGI-149.

### Description

Source : Escherichia Coli. VPS24 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 242 amino acids (1-222 a.a) and having a molecular mass of 27.2kDa (Molecular weight on SDS-PAGE will appear higher). VPS24 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Charged multivesicular body protein 3 (VPS24/CHMP3) is a member of the vacuolar sorting protein family and function as chromatin modifying proteins. VPS24 links 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. VPS24 overexpression strongly hinders HIV-1 release.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** VPS24 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGLFGKTQEK PPKELVNEWS LKIRKEMRVV DRQIRDIQRE  
 EEKVKRSVKD AAKKGQKDVC IVLAKEMIRS RKAVSKLYAS KAHMNSVLMG MKNQLAVLRV AGSLQKSTEV  
 MKAMQSLVKI PEIQATMREL SKEMMKAGII EEMLEDTFES MDDQEEMEEE AEMEIDRILF EITAGALGKA  
 PSKVTDALPE PEPPGAMAAS EDEEEEEEL EAMQSRLATL RS.

