

## 32-3531: CHMP4A Recombinant Protein

**Alternative Name :** Charged multivesicular body protein 4A, C14orf123, HSPC134, VPS32A, Vacuolar protein sorting-associated protein 32-1, chromatin modifying protein 4A, SHAX2, SNF7-1, SNF7 homolog associated with Alix-2, chromosome 14 open reading frame 123, CHMP4B, CH

### Description

Source : E.coli. CHMP4A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-265 and having a molecular mass of 32.0kDa. CHMP4A is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CHMP4A is a member of the SNF7 family and operates as chromatin-modifying protein. CHMP4A is a key component of the endosomal sorting vital for transport complex III (ESCRT-III) which takes part in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. Additionally, during HIV-1 infection, the virus utilizes the ESCRT-III complex to facilitate budding and exocytosis of viral proteins through the connection of CHMP4 and a protein engaged by HIV-1 p6, which exists in viral Gag assembly and budding. CHMP4A is expressed in higher quantities in skeletal muscle, kidney, liver and heart.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The CHMP4A solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 0.1mM PMSF, 1mM EDTA, 2mM DTT and 50% glycerol.  
**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 SGLVPRGSH MSRRRPEDGL GKAGPCVMRH HPPRSKAEVW RTLRGGGGRG  
ELAMSGLGRL FGKGKKEKGP TPEEAIQKLK ETEKILIKKQ EFLEQKIQQE LQTAKKYGTK  
NKRAALQALR RKKRFEQQLA QTDGTLSTLE FQREAIENAT TNAEVLRTME LAAQSMKKAY  
QDMDIDKVDE LMTDITEQQE VAQQISDAIS RPMGFGDDVD EDELLEEELE LEQEELAQEL  
LNVGDKEEEP SVKLPSVPST HLPAGPAPKV DEDEEALKQL AEWVS

