
Product Data Sheet

Product Name: CHMP1A Human
 Cat. No.: GP23147
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Charged multivesicular body protein 1a; Chromatin-modifying protein 1a; Vacuolar protein sorting-associated protein 46-1; Vps46-1; hVps46-1; CHMP1A; CHMP1; KIAA0047; PCOLN3; PRSM1; PCH8; VPS46A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDDTLFQ LKFTAKQLEK LAKKAEKDSK AEQAKVKKAL LQKNVECARV YAENAIRKKN EGVNWLRMAS RVDVASKVQ TAVTMKGVTK NMAQVTKALD KALSTMDLQK VSSVMDRFEQ QVQNLDVHTS VMEDSMSSAT TLTPQEVD SLIMQIAEEN GLEVL DQLSQ LPEGASAVGE SSVRSQEDQL SRRLAALRN.		
Formulation	CHMP1A protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Charged multivesicular body protein 1a (CHMP1A) is a member of the vacuolar sorting protein family and functions as chromatin-modifying protein. These complexes are essential for sorting endosomal articles into multivesicular bodies (MVBs), as well as vital for the formation of these bodies. The MVBs pathway mediates distribution of transmembrane proteins into the lumen of the lysosome for degradation. CHMP1 interacts with VPS4B and localizes to early endosomes.

Stability

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.

Background

CHMP1A Human Recombinant produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

polypeptide chain containing 219 amino acids (1-196 a.a.) and having a molecular mass of 24.1kDa (Molecular size on SDS-PAGE will appear higher).CHMP1A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA