
Product Data Sheet

Product Name: CHMP5 Human
 Cat. No.: GP23152
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Charged Multivesicular Body Protein 5; SNF7 Domain-Containing Protein 2; Chromosome 9 Open Reading Frame 83; Chromatin-Modifying Protein 5; Apoptosis-Related Protein PNAS-2; Vacuolar Protein Sorting-Associated Protein 60; Chromatin Modifying Protein 5; HSPC177; PNAS-2; HVps60; SNF7DC2; CGI-34; C9orf83.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSN MNRLFG KAKPKAPPPS LTDCIGTVDS RAESIDKKIS RLDAELVKYK DQIKKMREGP AKNMVKQKAL RVLKQKRMYE QQRDNLAQQS FNMEQANYTI QSLKDTKTTV DAMKLGVKEM KKAYKQVKID QIEDLQDQLE DMMEDANEIQ EALSRSYGTP ELDEDDLEAE LDALGDELLA DEDSSYLDEA ASAPAIPEGV PTDTKNKDGV LVDEFGLPQI PAS		
Formulation	The CHMP5 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 30% glycerol.		

Introduction

Charged Multivesicular Body Protein 5 (CHMP5) is a member of the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins comprise the ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and development of endocytic multivesicular bodies (MVBs). Certain CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP the CHMP1A, is essential for both MVB formation and regulation of cell cycle progression.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CHMP5 Human Recombinant produced in E. coli is a single polypeptide chain containing 243 amino acids (1-219) and having a molecular mass of 27.0 kDa. CHMP5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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