

Product datasheet for **AR09253PU-L**

CHMP2A / BC2 (1-222, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CHMP2A / BC2 (1-222, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MDLLFGRRKT PEELLRQNQR ALNRAMRELD RERQKLETQE KKIIADIKKM AKQGQMDAVR IMAKDLVRTR RYVRKFVLMR ANIQAVSLKI QTLKSNNSMA QAMKGVTKAM GTMNRQLKLP QIQKIMMEFE RQAEIMDMKE EMMNDAIDDA MGDEEDEEES DAVWSQVLDE LGLSLTDELS NLPSTGGSLs VAAGGKKA EA AASALADADA DLEERLKNLR RD
Tag:	His-tag
Predicted MW:	27.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl 1 mM DTT, and 30% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant CHMP2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_055268</u>
Locus ID:	27243
UniProt ID:	<u>O43633</u> , <u>A0A024R4S0</u>
Cytogenetics:	19q13.43
Synonyms:	BC-2; BC2; CHMP2; VPS2; VPS2A



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Summary:

CHMP2A belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed 16730941]).[supplied by OMIM, Mar 2008]

Protein Pathways:

Endocytosis

Product images: