

## Product datasheet for **AR50564PU-S**

### CHMP5 (1-219, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CHMP5 (1-219, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMNRLFG KAKPKAPPPS LTDCIGTVDS RAESIDKKIS RLDAELVKYK DQIKKMREGP AKNMVKQKAL RVLKQKRMYE QQRDNLAQQS FNMEQANYTI QSLKDTKTTV DAMKLGVKEM KKAYKQVKID QIEDLQDQLE DMMEDANEIQ EALSRSYGTPELDEDDLEAE LDALGDELLA DEDSSYLDEA ASAPAIPEGV PTDTKNKDG VLVDEFGLPQI PAS
Tag:	His-tag
Predicted MW:	27 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CHMP5 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001182465</a>
Locus ID:	51510
UniProt ID:	<a href="#">Q9NZZ3</a> , <a href="#">Q9NZZ3-2</a>
Cytogenetics:	9p13.3
Synonyms:	C9orf83; CGI-34; HSPC177; PNAS-2; SNF7DC2; Vps60



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**Summary:**

CHMP5 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:**