

Product datasheet for **AR50564PU-N**

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

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | CHMP5 (1-219, His-tag) human recombinant protein, 50 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 EALSRSYGTP ELDEDDLEAE LDALGDELLA DEDSSYLDEA ASAPAIPEGV PTDTKNKDG V LVDEFGLPQI 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: | NP_001182465 |
| Locus ID: | 51510 |
| UniProt ID: | Q9NZZ3 , Q9NZZ3-2 |
| 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: