

## Product datasheet for **AR50028PU-N**

### SNAPIN (1-136, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SNAPIN (1-136, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAGAGSAAVS GAGTPVAGPT GRDLFAEGLL EFLRPAVQQL DSHVHAVRES QVELREQIDN LATELCRINE DQKVALDLDP YVKLLNARR RVVLVNNILQ NAQERLRRLN HSAKETARR RAMLDGIYP PGSPGK
Tag:	His-tag
Predicted MW:	17 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 5 mM DTT, 2 mM EDTA, 0.2 M NaCl, 40% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SNAPAP 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_036569</a>
Locus ID:	23557
UniProt ID:	<a href="#">O95295</a>
Cytogenetics:	1q21.3
Synonyms:	BLOC1S7; BLOS7; BORCS3; SNAPAP



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**Summary:**

The protein encoded by this gene is a coiled-coil-forming protein that associates with the SNARE (soluble N-ethylmaleimide-sensitive fusion protein attachment protein receptor) complex of proteins and the BLOC-1 (biogenesis of lysosome-related organelles) complex. Biochemical studies have identified additional binding partners. As part of the SNARE complex, it is required for vesicle docking and fusion and regulates neurotransmitter release. The BLOC-1 complex is required for the biogenesis of specialized organelles such as melanosomes and platelet dense granules. Mutations in gene products that form the BLOC-1 complex have been identified in mouse strains that are models of Hermansky-Pudlak syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

**Product images:**