

## Product datasheet for PH302602

### SNAPIN (NM\_012437) Human Mass Spec Standard

#### Product data:

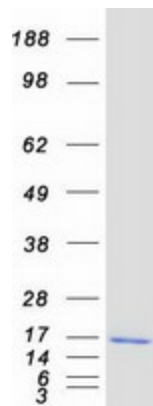
Product Type:	Mass Spec Standards
Description:	SNAPIN MS Standard C13 and N15-labeled recombinant protein (NP_036569)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202602
Predicted MW:	14.9 kDa
Protein Sequence:	>RC202602 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAGAGSAAVSGAGTPVAGPTGRDLFAEGLLEFLRPAVQQLDSHVHAVRESQVELREQIDNLATELCRINE DQKVALDLDPYVKLLNARRRVVLVNNILQNAQERLRRLNHSVAKETARRRAMLDSGIYPPGSPGK  <b>SGP</b> TRTRPLE <b>QKLI</b> SEED <b>LAANDILDYKDDDDK</b> V
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_036569</a>
RefSeq Size:	1052
RefSeq ORF:	408
Synonyms:	BLOC1S7; BLOS7; BORCS3; SNAPAP
Locus ID:	23557
UniProt ID:	<a href="#">O95295</a>
Cytogenetics:	1q21.3



[View online »](#)

**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:**

Coomassie blue staining of purified SNAPIN protein (Cat# [TP302602]). The protein was produced from HEK293T cells transfected with SNAPIN cDNA clone (Cat# [RC202602]) using MegaTran 2.0 (Cat# [TT210002]).