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# Product datasheet for RC202602L4V

## SNAPIN (NM_012437) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | SNAPIN (NM_012437) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SNAPIN |
| **Synonyms:** | BLOC1S7; BLOS7; BORCS3; SNAPAP |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_012437 |
| **ORF Size:** | 408 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC202602).` |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_012437.3 |
| **RefSeq Size:** | 1052 bp |
| **RefSeq ORF:** | 411 bp |
| **Locus ID:** | 23557 |
| **UniProt ID:** | O95295 |
| **Cytogenetics:** | 1q21.3 |
| **MW:** | 14.9 kDa |

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**Gene 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]