

# Recombinant Full Length Human ROPN1B Protein, C-Flag-tagged

**Cat. No.** ROPN1B-1920HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ROPN1B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Enables protein heterodimerization activity. Predicted to be involved in several processes, including flagellated sperm motility; protein localization to cilium; and sperm capacitation. Located in cytoplasm and motile cilium.                                        |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 23.8 kDa                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MAQTDKPTCIPPELPKMLKEFAKAAIRAQPQDLIQWGADYFEALSRGETPPVRERSE<br>RVALCNWAELTPE LLKILHSQVAGRLLIRAEELAQMWKVVNLPTDLFNSVMNVGRFT<br>EEIEWLKFLALACSA LGVTITKTLKI VCEVLSCDHNGGLPRIPFSTFQFLYTYIAEVDG<br>EICASHVSRMLNYIEQEVIGPDGLITVNDFTQNPRVW LE TRTRPLEQKLISEEDLAA<br>NDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                                                             |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and                                                                                                                                                                                    |

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|-------------------------|------------------------------------------------------------------------------------------------------------------|
|                         | handling conditions. Avoid repeated freeze-thaw cycles.                                                          |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                         |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| <b>Protein Families</b> | Druggable Genome                                                                                                 |
| <b>Full Length</b>      | Full L.                                                                                                          |

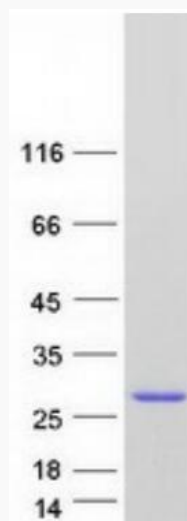
## GENE INFORMATION

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">ROPN1B raphilin associated tail protein 1B [ Homo sapiens (human) ]</a> |
| <b>Official Symbol</b> | <a href="#">ROPN1B</a>                                                              |
| <b>Synonyms</b>        | AKAP-binding sperm protein ropporin; ropporin, raphilin associated protein 1B       |
| <b>Gene ID</b>         | <a href="#">152015</a>                                                              |
| <b>mRNA Refseq</b>     | <a href="#">NM_001012337.3</a>                                                      |
| <b>Protein Refseq</b>  | <a href="#">NP_001012337.1</a>                                                      |
| <b>UniProt ID</b>      | <a href="#">Q9BZX4</a>                                                              |

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Coomassie blue staining of purified ROPN1B protein.

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