

Product datasheet for **TP501297**

Cep19 (NM_025892) Mouse Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse centrosomal protein 19 (Cep19), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR201297 protein sequence Red =Cloning site Green =Tags(s) |
| | MKYIAKKCGVRFQPPAVILYENETEGKSRQRIMPVRNFSKFSDCTRAAEQLKNNPRHKSYLEQVPLKQL EKLVFVLRGSLQGQSLAETMEQIRRETTIDPEEDLNKLDDKELAKRKSIMDELFEKNQKRKDDPTFVYDV EVEFPQDEQLLSCSWDTASVDDF TR TRPLE Q KLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 19.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_080168 |
| Locus ID: | 66994 |
| UniProt ID: | Q9CQA8 |
| RefSeq Size: | 1701 |
| Cytogenetics: | 16 B2 |



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RefSeq ORF: 492

Synonyms: 1500031L02Rik; AI428934; AL022620

Summary: Required for ciliation. Recruits the RABL2B GTPase to the ciliary base to initiate ciliation. After specifically capturing the activated GTP-bound RABL2B, the CEP19-RABL2B complex binds intraflagellar transport (IFT) complex B from the large pool pre-docked at the base of the cilium and thus triggers its entry into the cilia. Involved in the early steps in cilia formation by recruiting the ciliary vesicles (CVs) to the distal end of the mother centriole where they fuse to initiate cilium assembly. Involved in microtubule (MT) anchoring at centrosomes.
[UniProtKB/Swiss-Prot Function]