

Recombinant Mouse Cep19 Protein, Myc/DDK-tagged

Cat. No. Cep19-2112M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length centrosomal protein 19 (Cep19), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	19.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Cep19 centrosomal protein 19 [*Mus musculus* (house mouse)]

Official Symbol Cep19

Synonyms Cep19; centrosomal protein 19; AI428934; AL022620; 1500031L02Rik; centrosomal protein of 19 kDa

Gene ID 66994

mRNA Refseq NM_025892

Protein Refseq NP_080168

UniProt ID Q9CQA8

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