Recombinant Mouse Caprin1 Protein, Myc/DDK-tagged

Cat. No. Caprin1-1955M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cell cycle associated protein 1 (Caprin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. Binds directly and selectively to MYC and CCND2 RNAs. In neuronal cells, directly binds to several mRNAs associated with RNA granules, including BDNF, CAMK2A, CREB1, MAP2, NTRK2 mRNAs, as well as to GRIN1 and KPNB1 mRNAs, but not to rRNAs.
Molecular Mass	77.5 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Caprin1 cell cycle associated protein 1 [Mus musculus (house mouse)]
Official Symbol	Caprin1
Synonyms	CAPRIN1; cell cycle associated protein 1; caprin-1; p137GPI; GPI-p137; RNA granule protein 105; GPI-anchored protein p137; GPI-anchored membrane protein 1; membrane component chromosome 11 surface marker 1; cytoplasmic activation/proliferation-associated protein 1; cytoplasmic activation- and proliferation-associated protein 1; P137; Gpiap; Gpiap1; rng105; AL022980; Caprin-1; Mmgpip137
Gene ID	53872
mRNA Refseq	NM_001111290
Protein Refseq	NP_001104760
UniProt ID	Q60865

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