

Recombinant Human CAPRIN1 Protein, MYC/DDK-tagged

Cat. No. CAPRIN1-026H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human cell cycle associated protein 1 (CAPRIN1), transcript variant 1 with C-MYC/DDK tag was expressed in HEK293T.
Species	Human
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	78.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Storage	Store at –80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	CAPRIN1 cell cycle associated protein 1 [Homo sapiens (human)]
Official Symbol	CAPRIN1
Synonyms	GPIAP1; GPIP137; GRIP137; M11S1; p137GPI; RNG105; caprin-1; GPI-anchored membrane protein 1; GPI-anchored protein p137; GPI-p137; RNA granule protein 105; activation/proliferation-associated protein 1; caprin 1; cytoplasmic activation- and proliferation-associated protein 1; cytoplasmic activation/proliferation-associated protein-1; membrane component chromosome 11 surface marker 1
Gene ID	4076
mRNA Refseq	NM_005898
Protein Refseq	NP_005889
MIM	601178
UniProt ID	Q14444

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