

CAPRIN1 Antigen

Cat. No.	ml083485
Package	100 µg/1 mg
Storage	-20°C ~ -80°C, Lyophilized: reconstitute with sterile distilled water, carrier-free. Avoid repeated freeze-thaw cycles.

Product overview

Product Description	Fusion protein corresponding to C terminal 250 amino acids of human CAPRIN1
Full name	cell cycle associated protein 1
Synonyms	M11S1; GPIAP1; RNG105; GPIP137; p137GPI
Gene Accession	BC001731
Swissprot	Q14444
Purity	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system	Escherichia coli
Tags	His tag C-Terminus, GST tag N-Terminus

Background

Caprin-1 is a protein that in humans is encoded by the CAPRIN1 gene. 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. May form homomultimers. Directly interacts with G3BP1 in cytoplasmic RNA granules. 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.

Note

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.