

Product datasheet for TP509790

Rnf112 (NM_009548) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ring finger protein 112 (Rnf112), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209790 protein sequence Red =Cloning site Green =Tags(s) MPRPVLSVTAFCCHRLGKRESKRSFMGNSSNSWVLPREEAQGWMGQAVQGGTRTSRSHASFPKLELGLGHR PSPTREPPTCSICLERLREPISLDCGHDFCIRCFSTHRIPGCELPCCPECRKICKQRKGLRSLGERMKLL PQRPLPALQETCAVRAERLLLVRINASGGLILRMGAINRCLKHPLARDTPVCLLAVLGEQHSGKSFLLD HLLSGLPSLESGDSGRPRAEGLPGIRWGANGLTRGIWMWVSHPFLLGKEGKVVAVFLVDTGDVMSPELSK ETRVKLCALTMMLSSYQILNTSQELKDTDLGYLEMFVHVAEVMGKHYGMVPIQHLDLLVRDSSHHNKSGQ GHVGDILQKLSGKYPKVQELLLGKRARCYPAPERQWVNKDQASPRGNTEDDFSHHFRAYILDVLTAP QHAKSRCQGYWSEGRAVARGDRLLTGQQLAQEIKNLSGWMGKTGPSFNPDMAAQLHDLRKVEAAKKE FEEYVRQQDIATKRIFSRVLPDTRNLLSTQKDAILARHGVALLCKEREQTLAELAELQAEAKAFMD SYTMRFCHLAAGVAVGAGLMGLAGGVGAGMAAAALAAEAGMVAAGA AVGATGA AVVGGV GAGLAAT VGCMEKEEDERVQGGDREPLLQEE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	71.3 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.



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RefSeq: [NP_033574](#)

Locus ID: 22671

UniProt ID: [Q96DY5](#)

RefSeq Size: 3098

Cytogenetics: 11 37.96 cM

RefSeq ORF: 1965

Synonyms: bfp; neurolastin; Zfp179; ZNF179

Summary: E3 ubiquitin-protein ligase that plays an important role in neuronal differentiation, including neurogenesis and gliogenesis, during brain development. During embryonic development initiates neuronal differentiation by inducing cell cycle arrest at the G0/G1 phase through up-regulation of cell-cycle regulatory proteins (PubMed:21566658, PubMed:28684796). Plays a role not only in the fetal period during the development of the nervous system, but also in the adult brain, where it is involved in the maintenance of neural functions and protection of the nervous tissue cells from oxidative stress-induced damage (PubMed:27918959, PubMed:26792191, PubMed:26951452). Exhibits GTPase and E3 ubiquitin-protein ligase activities. Regulates dendritic spine density and synaptic neurotransmission; its ability to hydrolyze GTP is involved in the maintenance of dendritic spine density (PubMed:26212327).[UniProtKB/Swiss-Prot Function]