Recombinant Mouse Rnf112 Protein, Myc/DDK-tagged

Cat. No. Rnf112-5542M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ring finger protein 112 (Rnf112), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. 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. 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.
Molecular Mass	71.3 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.

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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.

GENE INFORMATION

Gene Name	Rnf112 ring finger protein 112 [Mus musculus (house mouse)]
Official Symbol	Rnf112
Synonyms	Rnf112; ring finger protein 112; bf; bfp; neu; Zfp17; ZNF179; Zfp179; neurolastin; RING finger protein 112; brain finger protein; zinc finger protein 179; EC 2.3.2.27
Gene ID	22671
mRNA Refseq	NM_009548
Protein Refseq	NP_033574
UniProt ID	Q96DY5

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