Recombinant Mouse Cabp1 Protein, Myc/DDK-tagged

Cat. No. Cabp1-1922M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length calcium binding protein 1 (Cabp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Modulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors (ITPRs). Inhibits agonist-induced intracellular calcium signaling. Enhances inactivation and does not support calcium-dependent facilitation of voltage-dependent P/Q-type calcium channels. Causes calcium-dependent facilitation and inhibits inactivation of L-type calcium channels by binding to the same sites as calmodulin in the C-terminal domain of CACNA1C, but has an opposite effect on channel function. Suppresses the calcium-dependent inactivation of CACNA1D. Inhibits TRPC5 channels. Prevents NMDA receptor-induced cellular degeneration. Required for the normal transfer of light signals through the retina.
Molecular Mass	25.9 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.

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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	Cabp1 calcium binding protein 1 [Mus musculus (house mouse)]
Official Symbol	Cabp1
Synonyms	CABP1; calcium binding protein 1; calcium-binding protein 1
Gene ID	29867
mRNA Refseq	NM_013879
Protein Refseq	NP_038907
UniProt ID	Q9JLK7

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