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Product datasheet for TP524345

Cabp1 (NM_013879) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calcium binding protein 1 (Cabp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224345 representing NM_013879 Red=Cloning site Green=Tags(s) MGNCVKSPLRNLSRKMRQEEKTSYMAVQTSEDGLADGGELHGPLMMLAQNCAVMHNLLGPACIFLRKGFA ENRQPDRSLRPEEIEELREAFREFDKDKDGYINCRDLGNCMRTMGYMPTEMELIELSQQINMNLGGHVDF DDFVELMGPKLLAETADMIGVKELRDAFREFDTNGDGEISTSELREAMRKLLGHQVGHRDIEEIIRDVDL NGDGRVDFEEFVRMMSR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.9 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.
RefSeq:	NP_038907
Locus ID:	29867
UniProt ID:	Q9JLK7
RefSeq Size:	1181

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Cytogenetics: 5 F

RefSeq ORF: 681

Synonyms: caldendrin

Summary: 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 (By similarity). 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 (PubMed:17050707, PubMed:17947313). Inhibits TRPC5 channels. Prevents NMDA receptor-induced cellular degeneration (By similarity). Required for the normal transfer of light signals through the retina (PubMed:27822497).[UniProtKB/Swiss-Prot Function]