

Recombinant Mouse Cadps2 Protein, Myc/DDK-tagged

Cat. No. Cadps2-1934M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Ca ²⁺ -dependent activator protein for secretion 2 (Cadps2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Calcium-binding protein involved in exocytosis of vesicles filled with neurotransmitters and neuropeptides. Probably acts upstream of fusion in the biogenesis or maintenance of mature secretory vesicles. Regulates neurotrophin release from granule cells leading to regulate cell differentiation and survival during cerebellar development. May specifically mediate the Ca(2+)-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles.
Molecular Mass	148.6 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Cadps2 Ca ²⁺ -dependent activator protein for secretion 2 [Mus musculus (house mouse)]
Official Symbol	Cadps2
Synonyms	CADPS2; Ca ²⁺ -dependent activator protein for secretion 2; calcium-dependent secretion activator 2; cerebellum postnatal development associated protein 2; Cpd2; Caps2; Caps-2; A230044C21Rik
Gene ID	320405
mRNA Refseq	NM_153163
Protein Refseq	NP_694803
UniProt ID	A4PI80

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