

## Recombinant Mouse Cadps2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length Ca <sup>2+</sup> -dependent activator protein for secretion 2 (Cadps2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.   |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 148.6 kDa  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.   |
| <b>Concentration</b>    | >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<sup>2+</sup>-dependent activator protein for secretion 2 [ Mus musculus (house mouse) ]

**Official Symbol** Cadps2

**Synonyms** CADPS2; Ca<sup>2+</sup>-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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