

# Recombinant Mouse Cacna2d2 Protein, Myc/DDK-tagged

**Cat. No.** Cacna2d2-1929M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length calcium channel, voltage-dependent, alpha 2/delta subunit 2 (Cacna2d2), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| <b>Species</b>          | Mouse                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                             |
| <b>Description</b>      | Biased expression in cerebellum adult (RPKM 24.9), whole brain E14.5 (RPKM 22.0) and 10 other tissues                                                                              |
| <b>Molecular Mass</b>   | 131 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                                                                                                                                   |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                              |

## GENE INFORMATION

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|                 |                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Cacna2d2 calcium channel, voltage-dependent, alpha 2/delta subunit 2 [ Mus musculus (house mouse) ]                                                                                                                                                                                            |
| Official Symbol | Cacna2d2                                                                                                                                                                                                                                                                                       |
| Synonyms        | CACNA2D2; calcium channel, voltage-dependent, alpha 2/delta subunit 2; voltage-dependent calcium channel subunit alpha-2/delta-2; ducky; protein ducky; alpha 2 delta calcium channel subunit; voltage-gated calcium channel subunit alpha-2/delta-2; du; td; a2d2; torpid; Cacna2d; mKIAA0558 |
| Gene ID         | 56808                                                                                                                                                                                                                                                                                          |
| mRNA Refseq     | NM_001174047                                                                                                                                                                                                                                                                                   |
| Protein Refseq  | NP_001167518                                                                                                                                                                                                                                                                                   |
| UniProt ID      | Q6PHS9                                                                                                                                                                                                                                                                                         |

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