

Recombinant Mouse Pdss2 Protein, Myc/DDK-tagged

Cat. No. Pdss2-4779M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length prenyl (solaneyl) diphosphate synthase, subunit 2 (Pdss2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Heterotetrameric enzyme that catalyzes the condensation of farnesyl diphosphate (FPP), which acts as a primer, and isopentenyl diphosphate (IPP) to produce prenyl diphosphates of varying chain lengths and participates in the determination of the side chain of ubiquinone. Supplies nona and decaprenyl diphosphate, the precursors for the side chain of the isoprenoid quinones ubiquinone-9 (Q9) and ubiquinone-10 (Q10) respectively. The enzyme adds isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry. May play a role during cerebellar development. May regulate mitochondrial respiratory chain function.
Molecular Mass	44.4 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 Pdss2 prenyl (solanesyl) diphosphate synthase, subunit 2 [Mus musculus (house mouse)]

Official Symbol Pdss2

Synonyms PDSS2; prenyl (solanesyl) diphosphate synthase, subunit 2; decaprenyl-diphosphate synthase subunit 2; solanesyl-diphosphate synthase subunit 2; decaprenyl pyrophosphate synthase subunit 2; prenyltransferase-like mitochondrial protein; decaprenyl pyrophosphate synthetase subunit 2; all-trans-decaprenyl-diphosphate synthase subunit 2; kd; Gm60; Plmp; mDLP1; 5430420P03Rik

Gene ID 71365

mRNA Refseq NM_027772

Protein Refseq NP_082048

UniProt ID Q33DR3

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