

Recombinant Mouse Crppa Protein, Myc/DDK-tagged

Cat. No. Crppa-1425M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RIKEN cDNA 4930579E17 gene (cDNA clone MGC:106594 IMAGE:30610161), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cytidylyltransferase required for protein O-linked mannosylation. Catalyzes the formation of CDP-ribitol nucleotide sugar from D-ribitol 5-phosphate. CDP-ribitol is a substrate of FKTN during the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity. Shows activity toward other pentose phosphate sugars and mediates formation of CDP-ribulose or CDP-ribose using CTP and ribulose-5-phosphate or ribose-5-phosphate, respectively. Not Involved in dolichol production.
Molecular Mass	31 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Crppa CDP-L-ribitol pyrophosphorylase A [Mus musculus (house mouse)]
Official Symbol	Crppa
Synonyms	Crppa; CDP-L-ribitol pyrophosphorylase A; I; lspd; AV040780; 4930579E17Rik; D-ribitol-5-phosphate cytidyltransferase; 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase-like protein; isoprenoid synthase domain containing; isoprenoid synthase domain-containing protein; notch1-induced protein; EC 2.7.7.40
Gene ID	75847
mRNA Refseq	NM_178629
Protein Refseq	NP_848744
UniProt ID	Q5RJG7

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