

Product datasheet for **TP503900**

4930579E17Rik (BC096030) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RIKEN cDNA 4930579E17 gene (cDNA clone MGC:106594 IMAGE:30610161), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203900 protein sequence Red =Cloning site Green =Tags(s)
	<p>MEPGCSRPAEPGHCVSGPAGAGSAFPESPLSVAGAEPGNRPGTVAAVLPAGGCGERMGVRTPKQFCRVL ERPLISYTLQAMERVCWIKDIVVTVTGENMEAMRSIIQRYGHKRISLAEAGATRHRSIFNGLKALAEDQP DCKLTKPEVVIHDAVRPFVEEDILLRVVLAKEHGAAGAIRPLVSTVISPSADGHLHDHSLDRAKHRASE MPQAFLFDVIYEAYQCSDFDLEFGTECLQLALKYCHRKAKLVEGPPALWKVTYKQDLCAAEMIKGVFN LTVSA</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	31 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	75847
UniProt ID:	Q5RIG7
RefSeq Size:	3142



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Cytogenetics:	12 A3
RefSeq ORF:	858
Synonyms:	4930579E17Rik; AV040780
Summary:	<p>Cytidyltransferase required for protein O-linked mannosylation (By similarity). Catalyzes the formation of CDP-ribitol nucleotide sugar from D-ribitol 5-phosphate (By similarity). 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 (By similarity). 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 (By similarity). Not Involved in dolichol production (By similarity).[UniProtKB/Swiss-Prot Function]</p>