

Product datasheet for **TP504819**

Rcn3 (NM_026555) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse reticulocalbin 3, EF-hand calcium binding domain (Rcn3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204819 protein sequence Red =Cloning site Green =Tags(s)
	MMWRWSFLLLLLLLLRH WALGKPS PDAGPHGQDRVHHGTP LSEAPHDDAHGNFQYDHEAFLGRDVAKEFDK LSPEESQARLGRIVDRMDLAGDS DGWVSLAELRAWIAHTQQRHIRDSVSAAWHTYDTRDGRVGWEELRN ATYGHYEPGEEFH DVEDAETYKKMLARDERRFRVADQDGDSMATREELTAFLHPEEFPHMRDIVVAETLE DLDKNKDGYVQVEEYIADLYSEEPGEEEPAWVQTERQQFREFRDLNKDGQLDGEVGYWVLPSPDQPLV EANHLLHESD TDKDGRLSKAEILSNWNMFVGSQATNYGEDLTRHHDEL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	38 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.
RefSeq:	NP_080831
Locus ID:	52377
UniProt ID:	Q8BH97



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RefSeq Size: 1453

Cytogenetics: 7 29.11 cM

RefSeq ORF: 987

Synonyms: 6030455P07Rik; D7Erttd671e; D530026G20Rik; RLP49

Summary: Probable molecular chaperone assisting protein biosynthesis and transport in the endoplasmic reticulum (PubMed:26252542). Required for the proper biosynthesis and transport of pulmonary surfactant-associated protein A/SP-A, pulmonary surfactant-associated protein D/SP-D and the lipid transporter ABCA3 (PubMed:26252542). By regulating both the proper expression and the degradation through the endoplasmic reticulum-associated protein degradation pathway of these proteins plays a crucial role in pulmonary surfactant homeostasis (PubMed:26252542). Has an anti-fibrotic activity by negatively regulating the secretion of type I and type III collagens (By similarity). This calcium-binding protein also transiently associates with immature PCSK6 and regulates its secretion (By similarity).[UniProtKB/Swiss-Prot Function]