

OriGene Technologies, Inc.

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Product datasheet for TP524196

Gldn (NM_177350) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse gliomedin (Gldn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224196 representing NM_177350 Red=Cloning site Green=Tags(s)
	MTRAAERGQGATGWGLRGALVAIALLSALNAAGTVFVLCQWRGLSAALRALEAQRGREQREDSALRAFLA ELSRAPGRVPEPSQDPMSAARNKRSHNGEPASHIRAESQDMMMMMTYSMVPIRVMIDLCNSTQGICLT GP PGPPGPPGAGGLPGHNGSDGQPGLQGPKGEKGAIGKRGKMGLPGATGNPGEKGEKGDAGELGLPGNE
	GPP
	GQKGDKGDKGDVSNDVLLTGAKGDQGPPGPPGPPGPPGPPGSRRSKGPRPPNVFNSQCPGETCVIPND DT
	LVGRADEKANERHSPQTESMITSIGNPAQVLKVRETFGTWMRESANKSDDRIWVTEHFSGIMVKEFKDLP ALLNSSFTLLHLPHYFHGCGHAVYNNSLYYHKGGSNTIVRFEFGKETPQTLKLENALYFDRKYLFANSKT YFNIAVDEKGIWIIYASSVDGSSILVAQLDERTFSVTQHINTTYPKSKAGNAFIARGILYVTDTKDTRVT FAFDLLGGKQINANFDFRMSQSVLAMLSYNMRDQHLYSWEDGHLMLYPVQFLSAASSQR
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	59.6 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.



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	Gldn (NM_177350) Mouse Recombinant Protein – TP524196
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:	<u>NP 796324</u>
Locus ID:	235379
UniProt ID:	Q8BMF8
RefSeq Size:	4649
Cytogenetics:	9 A5.3
RefSeq ORF:	1647
Synonyms:	Clom; Colm; CRG-L2; Crgl2; Crlg2
Summary:	Ligand for NRCAM and NFASC/neurofascin that plays a role in the formation and maintenance of the nodes of Ranvier on myelinated axons. Mediates interaction between Schwann cell microvilli and axons via its interactions with NRCAM and NFASC (PubMed:20188654). Nodes of Ranvier contain clustered sodium channels that are crucial for the saltatory propagation of action potentials along myelinated axons. During development, nodes of Ranvier are formed by the fusion of two heminodes. Required for normal clustering of sodium channels at heminodes; not required for the formation of mature nodes with normal sodium channel clusters (PubMed:20188654). Required, together with NRCAM, for maintaining NFASC and sodium channel clusters at mature nodes of Ranvier (PubMed:24719088).[UniProtKB/Swiss-Prot Function]

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