

Product datasheet for TP510595

Kirrel3 (NM_001190912) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse kirre like nephrin family adhesion molecule 3 (Kirrel3), transcript variant C, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210595 protein sequence Red=Cloning site Green=Tags(s)

MRPFQLDLLFLCFFLFSQGGVYSFSQQPQDQVWVSGQPVTLLCAIPEYDGFVLWIKDGLALGVGRDLSSY
PQYLVVGNHLSGEHHLKILRAELQDDAVYECQAIQAAIRSRPARLTVLPPDDPIILGGPVISLRAGDPL
NLTCHADNAKPAASIIWLRKGEVINGATYSKTLRLDGGKRESIVSTLFISPGDVENGQSIVCRATNKAIPG
GKETSVTIDIQHPPLVNLVSEVPQPVLEDNIVTFHCSAKANPAVTQYRWAKRGHIIKEASGELYRTTVDYD
YFSEPVSCVTNALGSTNLSRTVDVYFGPRMTSEPQSLLDLGSDAVFCWIGNPSLTIVWMKRGSGVV
LSNEKTLTLKSVRQEDAGKYVCRAVPRVGGAGEREVLTVNGPPIISSTQTQHALHGEKGQIKCFIRSTP
PPDRIAWSWKENVLESSTSGRYTVETVNTTEGVISTLTISNIVRADFQTIYNCTAWNSFGSDTEIIRLKE
QGSEMKSGAGLEAESVPMVAIIGVAVGAGVAFLVLMATIVAFCCARSQRSTGGRPGISGRGTEKKARLRL
PRRANLKGVSAKNDIRVEIVHKEPSSGREADHTTIKQLMMDRGEFQQDSVLKQLEVLKEEKEFQNLK
DPTNGYYSVNTFKEHHSTPTISLSSCQDLRPTGKQRVPTGMSFTNIYSTLSGQGRLYDYGQRFVLMGMS
SSIELCEREFQRGSLSDSSFLDTQCDSVSSSGKQDGYVQFDKASKASASSSHHSQSSSQNSDPSRPLQ
RRMQTHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	85 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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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_001177841</u>
Locus ID:	67703
UniProt ID:	<u>Q8BR86</u>
RefSeq Size:	3734
Cytogenetics:	9 A4
RefSeq ORF:	2334
Synonyms:	1500010O20Rik; 2900036G11Rik; mKIAA1867; NEPH2; SST4
Summary:	Synaptic adhesion molecule required for the formation of target-specific synapses (PubMed:23637329, PubMed:26575286). Required for formation of target-specific synapses at hippocampal mossy fiber synapses. Required for formation of mossy fiber filopodia, the synaptic structures connecting dentate granule and GABA neurons. Probably acts as a homophilic adhesion molecule that promotes trans-cellular interactions and stabilize mossy fiber filopodia contact and subsequent synapse formation (PubMed:26575286). Required for the coalescence of vomeronasal sensory neuron axons (PubMed:23637329). May be involved in the hematopoietic supportive capacity of stroma cells; the secreted extracellular domain is directly responsible for supporting hematopoietic stem cells (PubMed:12665856). [UniProtKB/Swiss-Prot Function]