

Recombinant Mouse Kirrel3 Protein, Myc/DDK-tagged

Cat. No. Kirrel3-3695M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length kirre like nephrin family adhesion molecule 3 (Kirrel3), transcript variant C, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Synaptic adhesion molecule required for the formation of target-specific synapses. 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 filipodia contact and subsequent synapse formation. Required for the coalescence of vomeronasal sensory neuron axons. May be involved in the hematopoietic supportive capacity of stroma cells; the secreted extracellular domain is directly responsible for supporting hematopoietic stem cells.
Molecular Mass	85 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	Kirrel3 kirre like nephrin family adhesion molecule 3 [Mus musculus (house mouse)]
Official Symbol	Kirrel3
Synonyms	KIRREL3; kin of IRRE like 3 (Drosophila); kin of IRRE-like protein 3; X kin of IRRE like 3; membrane protein mKirre; kin of irregular chiasm-like protein 3; SST4; NEPH2; mKIAA1867; 1500010O20Rik; 2900036G11Rik
Gene ID	67703
mRNA Refseq	NM_001190912
Protein Refseq	NP_001177841
UniProt ID	Q8BR86

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