

Recombinant Human KIRREL3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KIRREL3-1010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KIRREL3 MS Standard C13 and N15-labeled recombinant protein (NP_115920) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the nephrin-like protein family. These proteins are expressed in fetal and adult brain, and also in podocytes of kidney glomeruli. The cytoplasmic domains of these proteins interact with the C-terminus of podocin, also expressed in the podocytes, cells involved in ensuring size- and charge-selective ultrafiltration. The protein encoded by this gene is a synaptic cell adhesion molecule with multiple extracellular immunoglobulin-like domains and a cytoplasmic PDZ domain-binding motif. Mutations in this gene are associated with several neurological and cognitive disorders. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	85.3 kDa
AA Sequence	MKPFQLDLLFVCFLLFSQELGLQKRGCCCLVLGYMAKDKFRRMNEGQVYSFSQQPQ DQVVVSGQPVTLLCAIPEYDGFVLWIKDGLALGVGRDLSSYPQYL VVGNHLSGEHH LKILRAELQDDAVYECQAIQAIRSRPARLTVLVPPDDPVILGGPVISLRAGDPLNLTC HADNAKPAASIIWLRKGEVINGATYSKTLRLDGKRESIVSTLFISPGDVENGQSIVCRA

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TNKAIPGGKETSVTIDIQHPPLVNLSVEPQPVLEDNVVTFHCSAKANPAVTQYRWAK
 RGQIIKEASGEVYRTTVDYTYFSEPVSCEVTNALGSTNLSRTVDVYFGPRMTTEPQS
 LLVDLGSDAIFSCAWTGNPSLTIVWMKRGSGVLSNEKTLTLKSVRQEDAGKYVCR
 AVVPRVGAGEREVLTVNGPPIISSTQTQHALHGEKGQIKCFIRSTPPPDRIAWSWK
 ENVLESGTSGRYTVETISTEEGVISTLTISNIVRADFQTIYNCTAWNSFGSDTEIIRLKE
 QGSEMKSGAGLEAESVPMAVIIGVAVGAGVAFLVLMATIVAFCCARSQRNLKGVVSA
 KNDIRVEIVHKEPASGREGEEHSTIKQLMMDRGEFQQDSVLKQLEVLKEEEKEFQNL
 KDPTNGYYSVNTFKEHHSTPTISLSSCQPDLRPAGKQRVPTGMSFTNIYSTLSGQG
 RLYDYGQRFVLGMGSSSIELCEREFQRGSLSDSSSFLDTQCDSSVSSSGKQDGYV
 QFDKASKASASSSHHSQSSSQNSDPSRPLQRRMQTHVTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KIRREL3 kirre like nephrin family adhesion molecule 3 [Homo sapiens (human)]
Official Symbol	KIRREL3
Synonyms	KIRREL3; kin of IRRE like 3 (Drosophila); kin of IRRE-like protein 3; KIAA1867; KIRRE; NEPH2; nephrin-like 2; nephrin-like protein 2; kin of irregular chiasm-like

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protein 3; MRD4; PRO4502; MGC126824; MGC126850;

Gene ID [84623](#)

mRNA Refseq [NM_032531](#)

Protein Refseq [NP_115920](#)

MIM [607761](#)

UniProt ID [Q8IZU9](#)

SDS-PAGE



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