

## Product datasheet for **TP311025M**

### **KIRREL 3 (KIRREL3) (NM\_032531) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human kin of IRRE like 3 (Drosophila) (KIRREL3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211025 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKPFQLDLLFVCFLLFSQELGLQKRGCCCLVLYMAKDKFRRMNEGQVYSFSQQPQDQVWVSGQPVTLLCA  
IPEYDGFVLWIKDGLALGVGRDLSSYPQYLWGNHLSGEHHLKILRAELQDDAVYECQAIQAAIRSRPAR  
LTVLVPPDDPVILGGPVISLRAGDPLNLTCHADNAKPAASIIWLRKGEVINGATYSKTLRRDGGKRESIVS  
TLFISPGDVENGQSIVCRATNKAIPGGKETSVTIDIQHPPLVNLVSEVPQVLEDNVTWFHCSAKANPAVT  
QYRWAKRGQIIKEASGEVYRTTVDYTYFSEPVSEVTNALGSTNLSRTVDVYFGPRMTTEPQSLVLDLGS  
DAIFSCAWTGNPSLTIVWMKRGSGVLSNEKTLTLKSVRQEDAGKYVCRAVPRVGAGEREVTLTVNGPP  
IISSTQTQHALHGEKGQIKCFIRSTPPPDRIAWSWKENVLESGETSGRYTVETISTEEGVISTLTISNIVR  
ADFQTIYNCTAWNSFGSDTEIIRLKEQGSEMKGAGLEAESVPMVAIIGVAVGAGVAFLVLMATIVAFCC  
ARSQRNLKGVVSAKNDIRVEIVHKEPASGREGEEHSTIKQLMMDRGEFQQDSVLKQLEVELKEEKEFQNL  
KDPTNGYYSVNTFKEHHSTPTISLSSCQPDLRPAGKQRVPTGMSFTNIYSTLSGQGRLYDYGQRFVLGMG  
SSSIELCEREFQRGSLSDSSFLDTQCDSVSSSGKQDGYVQFDKASKASASSSHHSQSSSQNSDPSRPL  
QRRMQTHV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	85.1 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_115920</a>
<b>Locus ID:</b>	84623
<b>UniProt ID:</b>	<a href="#">Q8IZU9</a>
<b>RefSeq Size:</b>	3794
<b>Cytogenetics:</b>	11q24.2
<b>RefSeq ORF:</b>	2334
<b>Synonyms:</b>	KIRRE; MRD4; NEPH2; PRO4502
<b>Summary:</b>	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. [provided by RefSeq, Jul 2017]
<b>Protein Families:</b>	Transmembrane

### Product images:



Coomassie blue staining of purified KIRREL3 protein (Cat# [TP311025]). The protein was produced from HEK293T cells transfected with KIRREL3 cDNA clone (Cat# [RC211025]) using MegaTran 2.0 (Cat# [TT210002]).