

Product datasheet for **TP311025**

KIRREL 3 (KIRREL3) (NM_032531) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human kin of IRRE like 3 (Drosophila) (KIRREL3), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC211025 protein sequence Red =Cloning site Green =Tags(s) |

MKPFQLDLLFVCFLLFSQELGLQKRGCCVLVGYMAKDKFRRMNEGQVYSFSQQPQDQVWVSGQPVTLLCA
IPEYDGFVLWIKDGLALGVGRDLSSYPQYLWGNHLSGEHHLKILRAELQDDAVYECQAIQAAIRSRPAR
LTVLVPPDDPVILGGPVISLRAGDPLNLTCHADNAKPAASIIWLRKGEVINGATYSKTLRRDGKRESIVS
TLFISPGDVENGQSIVCRATNKAIPGGKETSVTIDIQHPPLVNLVPEPQPVLEDNVTWFHCSAKANPAVT
QYRWAKRGQIIKEASGEVYRTTVDYTYFSEPVSCVTNALGSTNLSRTVDVYFGPRMTTEPQSLVLDLGS
DAIFSCAWTGNPSLTIVWMKRGSGVLSNEKTLTLKSVRQEDAGKYVCRAVPRVGAGEREVTTLVNGPP
IISSTQTQHALHGEKGQIKCFIRSTPPPDRIAWSWKENVLESGETSGRYTVETISTEEGVISTLTISNIVR
ADFQTIYNCTAWNSFGSDTEIIRLKEQGSEMKSAGLEAESVPMVAIIGVAVGAGVAFLVLMATIVAFCC
ARSQRNLKGVVSAKNDIRVEIVHKEPASGREGEEHSTIKQLMMDRGEFQQDSVLKQLEVLKEEEKEFQNL
KDPTNGYYSVNTFKEHHSTPTISLSSCPDLRPAGKQRVPTGMSFTNIYSTLSGQGRLYDYGQRFVLGMG
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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| Storage: | Store at -80°C. |
| 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: | NP_115920 |
| Locus ID: | 84623 |
| UniProt ID: | Q8IZU9 |
| RefSeq Size: | 3794 |
| Cytogenetics: | 11q24.2 |
| RefSeq ORF: | 2334 |
| Synonyms: | KIRRE; MRD4; NEPH2; PRO4502 |
| Summary: | 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] |
| Protein Families: | 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]).