OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC337418

KIRREL 3 (KIRREL3) (NM_001301097) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIRREL 3 (KIRREL3) (NM_001301097) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIRREL3
Synonyms:	KIRRE; MRD4; NEPH2; PRO4502
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001301097, the custom clone sequence may differ by one or more nucleotides

ATGAAACCCTTCCAGCTCGATCTGCTCTTCGTCTGCTTCTTCCTCTTCAGTCAAGAGCTGGGCCTCCAGA
AGAGAGGATGCTGTCTGGTGCTGGGCTACATGGCCAAGGACAAGTTTCGGAGAATGAATGAAGGCCAAGT
CTATTCCTTCAGCCAGCAGCCCCAGGACCAGGTGGTGGTGTCGGGACAGCCAGTGACGCTACTTTGCGCC
ATCCCCGAATACGATGGCTTCGTTCTGTGGATCAAGGACGGCTTGGCTCTGGGTGTGGGCAGGGACCTCT
CAAGTTACCCACAGTACCTGGTGGTAGGGAACCACCTGTCAGGGGAGCACCACCTGAAGATCCTGAGGGC
AGAGCTGCAAGACGATGCGGTGTACGAGTGCCAGGCCATCCAGGCCGCCATCCGCTCCCGCCCCGCACGC
CTCACAGTCCTGGTGCCGCCTGATGACCCCGTCATCCTGGGGGGCCCTGTGATCAGCCTGCGTGCGGGGG
ACCCTCTCAACCTCACCTGCCACGCAGACAATGCCAAGCCTGCAGCCTCCATCATCTGGTTGCGAAAGGG
AGAGGTCATCAATGGGGCCACCTACTCCAAGACCCTGCTTCGGGACGGCAAGCGGGAGAGCATCGTCAGC
ACCCTCTTCATCTCCCCTGGTGACGTGGAGAATGGCCAGAGCATCGTGTGTCGTGCCACCAACAAAGCCA
TCCCCGGAGGAAAGGAGACGTCGGTCACCATTGACATCCAGCACCCTCCACTGGTCAACCTCTCGGTGGA
GCCACAGCCAGTGCTGGAGGACAACGTCGTCACTTTCCACTGCTCTGCAAAGGCCAACCCAGCTGTCACC
CAGTACAGGTGGGCCAAGCGGGGCCAGATCATCAAGGAGGCATCTGGAGAGGTGTACAGGACCACAGTGG
ACTACACGTACTTCTCAGAGCCCGTCTCCTGTGAGGTGACCAACGCCCTGGGCAGCACCAACCTCAGCCG
CACGGTTGACGTCTACTTTGGGCCCCGGATGACCACAGAACCCCAATCCTTGCTCGTGGATCTGGGCTCT
GATGCCATCTTCAGCTGCGCCTGGACCGGCAACCCATCCCTGACCATCGTCTGGATGAAGCGGGGCTCCG
GAGTGGTCCTGAGCAATGAGAAGACCCTGACCCTCAAATCCGTGCGCCAGGAGGACGCGGGCAAGTACGT
GTGCCGGGCTGTGGTGCCCCGTGTGGGAGCCGGGGAGAGAGAGGTGACCCTGACCGTCAATGGACCCCCC
ATCATCTCCAGCACCCAGACCCAGCACGCCCTCCACGGCGAGAAGGGCCAGATCAAGTGCTTCATCCGGA
GCACGCCGCCGCCGGACCGCATCGCCTGGTCCTGGAAGGAGAACGTTCTGGAGTCGGGCACATCGGGGCG
CTATACGGTGGAGACCATCAGCACCGAGGAGGGCGTCATCTCCACCCTGACCATCAGCAACATCGTGCGG
GCCGACTTCCAGACCATCTACAACTGCACGGCCTGGAACAGCTTCGGCTCCGACACTGAGATCATCCGGC
TCAAGGAGCAAGAGTCTGTGCCGATGGCCGTCATCATTGGGGTGGCCGTAGGAGCTGGTGTGGCCTTCCT
CGTCCTTATGGCAACCATCGTGGCGTTCTGCTGTGCCCGTTCCCAGAGAAATCTCAAAGGTGTTGTGTCA
GCCAAAAATGATATCCGAGTGGAAATTGTCCACAAGGAACCAGCCTCTGGTCGGGAGGGTGAGGAGCACT
CCACCATCAAGCAGCTGATGATGGACCGGGGTGAATTCCAGCAAGACTCAGTCCTGAAACAGCTGGAGGT
CCTCAAAGAAGAGGAGAAAGAGTTTCAGAACCTGAAGGACCCCACCAATGGCTACTACAGCGTCAACACC
TTCAAAGAGCACCACTCAACCCCGACCATCTCCCTCTCCAGCTGCCAGCCCGACCTGCGTCCTGCGGGCA
AGCAGCGTGTGCCCACAGGCATGTCCTTCACCAACATCTACAGCACCCTGAGCGGCCAGGGCCGCCTCTA
CGACTACGGGCAGCGGTTTGTGCTGGGCATGGGCAGCTCGTCCATCGAGCTTTGTGAGCGGGAGTTCCAG
AGAGGCTCCCTCAGCGACAGCAGCTCCTTCCTGGACACGCAGTGTGACAGCAGCGTCAGCAGCAGCGGCA
AGCAGGATGGCTATGTGCAGTTCGACAAGGCCAGCAAGGCTTCTGCTTCCTCCTCCCACCACTCCCAGTC
CTCGTCCCAGAACTCTGACCCCAGTCGACCCCTGCAGCGGCGGATGCAGACTCACGTCTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001301097

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001301097.1, NP_001288026.1
RefSeq Size:	3758 bp
RefSeq ORF:	2301 bp
Locus ID:	84623
Cytogenetics:	11q24.2
Protein Families:	Transmembrane
Gene 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] Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.