

Product datasheet for **SC304080**

C9ORF4 (FRRS1L) (NM_014334) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9ORF4 (FRRS1L) (NM_014334) Human Untagged Clone
Tag:	Tag Free
Symbol:	C9ORF4
Synonyms:	C9orf4; CG-6; CG6; DEE37; EIEE37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304080 representing NM_014334. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCAGACCGAGGCAGGGAGGCGGGGTGCGGGAGGCTCCGCGGCTGCGCGGGCGCGTGTGGTGGC
CTCGGGGAGGCTCAGTCCCGGCCCGCGCCCGCGCGCCCGCTGCGGCCGAGCGGCCTGGTGGCGG
GATCTGTGCGCACGGATGGCGCGGCCCGCCCGGCAGCACCCGGGGGTCTGGGCGTGTGCTCCTGCTG
CTACTGACGGGGCCCGCCTGCGCAGCCAGCCCGCGGACGACGGTGGGGCCCGGGGGCCGGGGA
CCCCGGGACGCGCGGGGGGACACGGGCGCCGACGAGGCGGTGCCGCGCCACGACTCCTCCTACGGC
ACCTTCGCGGGGAGTTCTACGACTGCGCTACCTGTGCGGAGGAGGTTACCCCTCCCTACTGCTCCT
CCTGTGGATCCATTTGCCAAAATCAAAGTGGACGACTGTGAAAAACTAAGGGATGCTTTAGATATGGC
AAACCAGGCTGTAATGCAGAGACCTGTGACTATTTCTCAGTACCGGATGATAGGGGCTGATGTAGAA
TTTGAGCTGAGTGCAGACACAGATGGTTGGGTAGCAGTTGGATTCTTTCAGACAAGAAAATGGGTGGT
GATGATGTCATGGCTGCGTCCATGATGACAAATGGCAGGGTCCGCATACAGCACTTCTATAATGTAGGC
CAGTGGGCAAAGGAGATTCAGAGAAACCCTGCCAGAGATGAAGAAGGAGTTTTTGAGAACAATCGCGTC
ACCTGCAGATTTAAACGCCCTGTGAATGTTCCAGAGATGAAACAATTGTTGATCTGCATTTGAGTTGG
TATTATCTGTTTGTGGGTCCAGCCATTGAGGCTCTATCACTCGACATGATATAGACTACCCGCCG
GCTTCAGAGCGTGTTCAGTATTTACAAGTATGAAGACATTTTTATGCCATCAGCTGCCTATCAAACC
TTCTCATCTCCATTTGTTTGTCTTCTGATTGTTGCTGCTGACCTTACCTATTGATGGGAACCCCTAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_014334



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Insert Size:	1035 bp
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_014334.3
RefSeq Size:	8217 bp
RefSeq ORF:	1035 bp
Locus ID:	23732
UniProt ID:	Q9P0K9
Cytogenetics:	9q31.3
Protein Families:	Transmembrane
MW:	37.3 kDa
Gene Summary:	This gene encodes a component of the outer-core of an alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor protein in the brain. The encoded protein is thought to interact with inner-core components of the receptor, and play a role in the modulation of glutamate signaling. Mutations in this gene are associated with early infantile epileptic encephalopathy 37. [provided by RefSeq, Jul 2016]