

Product datasheet for **SC124361**

GARRE1 (NM_014686) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GARRE1 (NM_014686) Human Untagged Clone
Tag:	Tag Free
Symbol:	GARRE1
Synonyms:	KIAA0355
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014686, the custom clone sequence may differ by one or more nucleotides

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ATGTATTGCTGCAGTGCCCAGGACAGTAAATGGACTACAAGCGGCGCTTCTGCTTGGCGGGTCCAAGC
AGAAGGTGCAGCAGCACCAGCAATACCCGATGCCTGAGCTGGGCCGAGCACTGAGTGCTCCCTGGCATC
CACGGCCACCACTGCCCCCTGGGCAGTCTGACCGCTGCAGGCAGCTGCCACCATGCCATGCCCCACACT
ACTCCTATCGCCGACATCCAGCAGGGCATCTCCAAGTATCTGGATGCCCTGAACGCTCTTCTGCCGTGCCA
GTACTTTCTCACAGATCTCTTACGACTGTGTTCAAGAACTCTCACTACTCAAAGGCAGCCACACAGCT
CAAAGATGTGCAGGAGCATGTCTATGGAAGCAGCCAGTCGGCTGACCTCGGCCATAAAGCCTGAGATCGCC
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GAAGGTCCAGCCGGTGGCTCACTCTTGCTTGTGAGGTATCGTCCAGAAAAAGAACAGCGGCAGT
GGCGGGCGCTTATCTGGCATGGCCACACACCTGAAGTAGAGGAAGCTGTGCGGTCTGGCGGGGGCTG
CTGAGGCGACATCTAGACTAAGAGAAAGAGGCTGTGATGTTGCCTGGCAGGAATTGAAGTTCAACAAC
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TGATGAAGGAGGCAGGCTGCTATAATGGAATCACATCCAGGGATGATTTTCTGTGACTGAAGTGCTGAA
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GACGGCAAGGATGAGAAGGGTATGAACTTACCAACTGATCAGGAAATGCAAGAGGTGATAGATTTTCTCT
CGGGCTTTAATGAGGCGAGTCACATCAGGGCTCTCCGTTGGTGACAAGGCATAATTCTGCTGCCACAGC
CATGGTGAAGTGAAGCAGAGGAGCCATGCAACCACAGCAGCCGTCAGTGCCTGTGCCCTCCACCA
CGGGCACCCAGGCTGGGGCACACACCTCTGACACCCAGCCGGGACTGGCACCTCAGCAGCAGTCCC
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CTGGCCCAACCGTGACCAAGTGATGGAGTCTTTGGAATGCTGGGAGAGATTCTGCCTTTTGATCCTGCA
GTGGGCTCAGACCCAGAGTTTGACGCTATGTGGCAGGAGTGAGCCAGGCGATGCAGCAGAAGCGGCAGG
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GCCCTTCCCCGAGTTCTTACAGAAGGGGATGGCCTGCACGGTGGCTGGTGGGTGCTCAGGAGACTCT
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TCGTTGCTGCTGTAAGCAGAGAAGGAAACACAGCAGTGGAGAGCAAGACACCAGCAGCTGCCCTCACC
ACCTCTCCTCACCACGGTGGAGGATGTGAACCAGGATAACAAAACAAAACGTGGCCACCCAAAGCACCC
TGGCAGCACCTTCCCCGCTTCCAGCAGCTGCCAGCCCCAGCGCACCACTCTATGCAGTCACCAGCC
CTGGCAGCCAGTGAACGACACCATGCAGATGCTGCAGTCCCAGTGTGGGCCGAACCAACGACTGCAG
TGCCGCTGCCTTCTCCTATGTGCAGACCCACCCAGCCCCACCCACCCAGCACAAGGCAGACCC
AAGGGCTTCAAGGCCTTCCCTGGGAAGGGTGAGCGCAGGCCAGCCTATCTGCCCCAGTACTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014686 unedited <pre> TCAAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTTACAACAAAC GCCATTTAAAAAAGAAAACTTGTTCAGGAAACATTAGAGGAAATTTGGAGAAT TTCAGCATTGCATAGAAGCAGCCTTACAGGTAACGGATTTGACGGGCAGGCTCTGTCAA AATTCTGCAGAAGTTTGATCTTCCTTCTTAAGGACTTTGTGTGAAGTAATTCTTTACTGC TTTTAAATTGCTGTTGATCAGCTTCTGGGTTTTGGGTTCTAACTTTTTGGGTATATTG AAGACACAGTGTATTACATTATATTACATTTTAAACGTTAAGTTATTTTCTGCCATTG TAAATACAAGTATCAAAATATTCTTGCAAAGAAGTAAACATTTTCTCAGCAAGCATATC CTTTTAGTAAGAGAGTGGAATGCTAAACAGTTCTTATCCAGCATTTTGGACATCTTTAT TTTTTGTCAGAGATCCTGTCTACACTGAAAATATTAATTATATAAACCTGTTGTCTCTCA CCTCTACATTGGATCACATGGTCACCTGCCTCATGGAAATGCCTTTTTTAAACTTCGAT TTGCAGAACTCCACTATTTTATACCTAGCTACAGTTTGGAGAAAGAAGTATCAGAACCC TGACCCACTTACGGTTGCTGGGACAATCCCCCTCCCGCATGTATTGCTGCAGTGCCAG GACAGTAAATGGACTACAAGCGGCGCTTCTGCTTGGCGGGTCCAAGCAGAAGGTGCAG CAGCACCAGCAATACCCGATGCCTGAGCTGGGCCGAGCACTGAGTGCTCCCTGGCATNC ACNGNCACCACTTGCCCTGCGTNGTACCCTGNCAGCAGTGCCACCATGCCATG CC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014686
Insert Size:	4000 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).
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:	<u>NM_014686.2</u> , <u>NP_055501.2</u>
RefSeq Size:	6683 bp
RefSeq ORF:	3213 bp
Locus ID:	9710
UniProt ID:	<u>O15063</u>
Cytogenetics:	19q13.11

Gene Summary:

Acts as an effector of RAC1 (PubMed:31871319). Associates with CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation (PubMed:29395067). May also play a role in miRNA silencing machinery (PubMed:29395067).[UniProtKB/Swiss-Prot Function]