

Product datasheet for SC104814

ECRG4 (NM_032411) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECRG4 (NM_032411) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECRG4
Synonyms:	C2orf40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104814 sequence for NM_032411 edited (data generated by NextGen Sequencing)

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ATGGCTGCCTCCCCCGCGGCCTGCTGTCTGGCCCTGACCGGGCTGGCGCTGCTCCTG
CTCCTGTGCTGGGCCCCAGGTGGCATAAGTGAAATAAACTCAAGCTGATGCTTCAAAA
CGAGAAGCACCTGTTCCAATAAGACTAAAGTGGCCGTTGATGAGAATAAAGCCAAAGAA
TTCCTTGGCAGCCTGAAGCGCCAGAAGCGGCAGCTGTGGGACCGGACTCGGCCGAGGTG
CAGCAGTGGTACCAGCAGTTTCTCTACATGGGCTTTGACGAAGCGAAATTTGAAGATGAC
ATCACCTATTGGCTTAACAGAGATCGAAATGGACATGAATACTATGGCGATTACTACAA
CGTCACTATGATGAAGACTCTGCAATTGGTCCCCGGAGCCCTACGGCTTTAGGCATGGA
GCCAGCGTCAACTACGATGACTACTAA
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Clone variation with respect to NM_032411.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032411 unedited
GCGGATTGCGCACCAGCCGTTCTCCCTCGCAGCACCTCGAAGTGCGCCCTCGCCCTCC
TGCTCGCGCCCCGCCCATGGTGCCTCCCCCGCGGGCCTGCTGTCTGGCCCTGACC
GGGCTGGCGTGTCTCTGCTGCTGGGCCCAGGTGGCATAAGTGAAATAAACTC
AAGCTGATGCTTCAAAAACGAGAAGCACCTGTTCCAATAAGACTAAAGTGGCCGTTGAT
GAGAATAAAGCCAAAGAATTCCTTGGCAGCCTGAAGCGCCAGAAGCGGCAGCTGTGGGAC
CGGACTCGGCCGAGGTGACAGTGGTACCAGCAGTTTCTCTACATGGGCTTTGACGAA
GCGAAATTTGAAGATGACATCACCTATTGGCTTAACAGAGATCGAAATGGACATGAATAC
TATGGCGATTACTACCAACGTCATGATGAAGACTCTGCAATTGGTCCCCGGAGCCCC
TACGGCTTTAAGCATGGAACCCAGCGTAACTACGATGACTACTAACCATGACTTGCCACA
GGCTGGACAAAAACAAATACCGATTTTCTTTATGGGTCCCCAAATGGCCTACACTTCTT
GGGTTTCTGATCCGCCCCACCCTACAAATCTTTTGGCCCACTGTGGGAACAACAACC
ACCCGTCCCCCCCCCTACTGCAATGGCCCCCATCGTTCTCAGGTACAGACTTTATTTA
ACAACACAACAATACCATCCCTCCAAAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032411 unedited CTCTGAACCGCGCCGATTCTATGATCGGTTTTTTTTTTTTTTTTTTTTTAAACAAAATGCTT TATTTCTATTTTTAAATGAGAGGCATTCCCATGAAATATCAAAAGGCATTTACATGTGTT GTTTTAACTCTTCTTTTTGATCACACAAAGTAGGTAGAAAAGATCTGCTGAAATAGAGC AAATCAGAAACCAAGTAGTGAAGGCATTAGGAGATACATGAAGAGAATCGCTATTTGCT TCTTGTACAGCGTGTGGCAAGTCATGGTTAGTAGTCATCGTAGTTGACGCTGGCTCCATG CCTAAAGCCGTAGGGCTCCGGGGACCAATTGCAGAGTGTGATGATAGTGACGTGGAG CAGGCGCGGCCAGTATGGGTGCGGTGCCCCGACGCTCCCGATCGCTCGTCTGTCCCTGC TGCTTATCGCCCGTCCACCCCTTTGCGCTGCCACCCACCCCGCGCTCCCCCGCC CGCATGCCGGACTCCTTCGTTCCCTTCTCCCCCCCCCCTCATCCCTGCTTCCACTCA TATTTGTCCTCCCTCCCTCCTCCACCTTCTTCTTACCCCTTGGTTAGTTGCCAGTCA CCCCCTGGCCGATCCTCTGCACTTTCGCGTACCTTTTTGGTCTCACACCCCTTCTT AATCTCCTGCCCTGTTTACATGACCTCCTCATGTGCAATACTCTCTCACTGCCTTCTCTC CGAAACTATGCCATCCCTATACTATCTCCCCCCCCCTTCCCCACTACAGCTGCTTCT CTTCCCATCTATTACAGACCCACCTCCCTTACTACCTTCCCTCCTTGTATGATTTT GTAGCCGCTTTTTCCCCACCCCAACCCCTCCGCTTTCCTCACTATCACACCTTTTCT AGTCCCCGCTCATACTACTTACCCTACCGCTCTACACCCACCATGCGCGTGNCCA TACAATTATTTTTCTTCCCT
Restriction Sites:	NotI-NotI
ACCN:	NM_032411
Insert Size:	780 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:	<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:	<u>NM_032411.1</u> , <u>NP_115787.1</u>
RefSeq Size:	772 bp
RefSeq ORF:	447 bp
Locus ID:	84417
UniProt ID:	<u>Q9H1Z8</u>
Cytogenetics:	2q12.2
Protein Families:	Secreted Protein, Transmembrane

Gene Summary:

Probable hormone that may attenuate cell proliferation and induce senescence of oligodendrocyte and neural precursor cells in the central nervous system (By similarity). ECRG4-induced senescence is characterized by G1 arrest, RB1 dephosphorylation and accelerated CCND1 and CCND3 proteasomal degradation (By similarity).[UniProtKB/Swiss-Prot Function]