

Product datasheet for **SC318301**

EFR3A (NM_015137) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	EFR3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318301 representing NM_015137.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCTACCCGAGTATGCTGCTGCTTCCGCTTTCGCTCCTCGCTACAAACGCTGGTGGACAACATA
TTCCCTGAAGATCCAAAGATGGCCTTGTGAAACTGATATGGAGAAATTGACATTTTATGCAGTATCT
GCTCCAGAGAACTGGATCGAATTGGTTCTTACCTGGCAGAAAGGTTGAGCAGGGATGTTGTGACACAT
CGTTCTGGGTATGTTTTGATTGCTATGGAGGCACTGGACCAACTTCTCATGGCTTGCCATTCTCAAAGC
ATTAAGCCATTTGTAGAAAGCTTTCTTCATATGGTGGCAAAGCTGCTGGAATCGGGGAACCAAAGCTT
CAAGTCTTGGAAACAAATCTTTTGTCAAATTTGCAAATTTGAAGAAGACACACCATCTCATCAGAGA
CGTTATGACTTTTTGTGTCTCGATTCAAGTCCATGTGCCATTCCGTGTCATAGTGATCCAGAAATACGA
ACAGAGATACGAATTGCTGGAATTAGAGGTATTCAAGGTGTGGTTCGCAAAACAGTCAACGATGAACCT
CGGGCCACCATTTGGGAACCTCAGCATATGGATAAGATTGTTCCATCCCTCCTGTTTAAATGCAAAAG
ATAGAAGAAGTTGACAGTCGCATAGGCCCTCTTCTTCTCTTCTGCAACTGACAAAGAAGAGAATCCT
GCTGTGCTGGCTGAAAACCTGTTTCAGAGAACTGCTGGGTCGAGCAACTTTTGGGAATATGAATAATGCT
GTTAGACCAGTTTTTGGCATTAGATCATCACAACCTGTGGGATCCCAATGAATTTGCAGTTCACTGC
TTTAAATATAATGTATTCATTGAGGCTCAGTATTCTCACCATGTGATCCAGGAGATTCTAGGACAC
CTTGATGCTCGTAAAAAGATGCTCCCGGGTTCGAGCAGGTATTATTCAGGTTCTGTTAGAGGCTGTT
GCCATTGCTGCTAAAGGTTCCATAGGTCCGACAGTGTGGAAGTCTCAATACCCTTTTGAACATCTG
CGTCTCAGCGTTGAATTCGAAGCAAATGATTTACAGGGGGATCTGTAGGCAGTGTCAACTTAAATACA
AGTTCCAAAGACAATGATGAGAAGATTGTGCAAGTGTATCATCCAAACAATAGGATTTTTTGAAGT
AACCTACCAGATTATCAGAGGTCAGAAATCATGATGTTTATTGAGGAAAGTACCTGTCTTGGAAACA
TCTACCCTACTTTGGATATCAGTCAACTAGGGGATTTGGGAACCAAGGAGAATTCAGATAATGTTGCTG
AGATCTTTGCTTATGGTGACCTCTGGATATAAAGCGAAGACGATTGTTACTGCACTGCCAGGGTCTTTC
CTGGATCCTTTGTTATCACCATCTCTCATGGAGGACTACGAACTGAGACAGTGGTCTTGGAAAGTAATG
CATAATCTCATGGATCGTCATGACAATAGGGCAAAGCTTCGAGGGATCAGAATAATACCGGATGTAGCT
GACCTAAAGATAAAAAAGAGAAAAAATTTGCAGACAAGACACAAGTTTCATGAAAAAGAATGGGCAACAG
CTGTATCGGCACATATATTTGGGTTGTAAGAGGAAGACAACGTTTCAGAAAACTATGAACTACTTTAT
ACTTCTCTTGTCTTATAACTATTGAACTGGCTAATGAAGAAGTAGTTATTGATCTCATTGCACTGGCC
ATTGCTTTACAGGACAGTGAATTATCAATGAGGATAATTTGCCAATGTTCCATCGTTGTGGAATCATG
GCACTGGTTGACAGTACCTCAACTTTGTAAGTCAGATGATAGCTGTCCCTGCATTTTGCCAGCATGTT
AGCAAGGTTATTGAAATTCGAATATGGAAGCCCTTATTTTCTACCAGAGCATATCTTCAGAGATAAG
TGCATGCTTCCAAATCTTTAGAGAAGCATGAAAAAGATTTGTACTTTCTGACCAACAAGATTGCAGAG
TCGTAGGTGGAAGTGGATATAGTGTGAGAGATTGTCAAGTCCGATGTACCAACAAGTAACAGATGAA
GATCGACTTTCTAGAAGAAAAAGCATTGTGGACACCGTATCCATTCAAGTGGATATTTTATCCAACAAT
GTTCTTCTGATGATGTGGTATGTAACACTGAAGAAATCACTTTTGAAGCATTGAAGAAAGCAATTGAT
ACCAGTGGAAATGGAAGAACAGGAAAGGAAAGAGGCGTCTGTGATAGAGAAATTCAGAAAGCACCT
TTTGAAGAAATAGCAGCACAGTGTGAATCCAAAGCAAATTTGCTTCATGATAGACTTGCCCAATATTG
GAACTACCCTACGTCCTCCTCCAGTCCATCAGGAACACTGACCAATTACTTCTGGGCATGCCCAATAC
CAATCTGTCCAGTCTATGAGATGAAGTTTCCAGATCTGTGTGTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_015137

Insert Size:

2466 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015137.5</u>
RefSeq Size:	5451 bp
RefSeq ORF:	2466 bp
Locus ID:	23167
UniProt ID:	<u>Q14156</u>
Cytogenetics:	8q24.22
MW:	92.9 kDa
Gene Summary:	The protein encoded by this gene is part of a complex that plays a role in maintaining an active pool of phosphatidylinositol 4-kinase (PI4K) at the plasma membrane. This protein is thought to be a peripheral membrane protein that associates with the plasma membrane through palmitoylation. Studies indicate that this gene product plays a role in controlling G protein-coupled receptor (GPCR) activity by affecting receptor phosphorylation. Whole exome sequencing studies have implicated mutations in this gene with autism spectrum disorders. [provided by RefSeq, Apr 2016]