

Product datasheet for SC115507

EDG7 (LPAR3) (NM_012152) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDG7 (LPAR3) (NM_012152) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDG7
Synonyms:	Edg-7; EDG7; GPCR; HOFNH30; LP-A3; LPA3; RP4-678I3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115507 sequence for NM_012152 edited (data generated by NextGen Sequencing)

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ATGAATGAGTGTCACTATGACAAGCACATGGACTTTTTTTATAATAGGAGCAACTGAT
ACTGTGCGATGACTGGACAGGAACAAAGCTTGTGATTGTTTTGTGTGTTGGGACGTTTTTC
TGCTGTTTATTTTTTTTTCTAATTCTCTGGTCATCGCGCAGTGATCAAAAACAGAAAA
TTTCATTTCCCCTTCTACTACCTGTTGGCTAATTTAGCTGCTGCCGATTTCTTCGCTGGA
ATTGCCTATGTATTCTGATGTTTAACACAGGCCAGTTTCAAAAACCTTTGACTGTCAAC
CGCTGGTTTCTCCGTGAGGGCTTCTGGACAGTAGCTTGACTGCTTCCCTCACCAACTTG
CTGTTATCGCCGTGGAGAGGCACATGTCAATCATGAGGATGCGGGTCCATAGCAACCTG
ACCAAAAAGAGGGTGACTGCTCATTGCTTGTCTGGGCCATCGCCATTTTTATGGGG
GCGGTCCCACACTGGGCTGGAATTGCCTCTGCAACATCTCTGCCTGCTTCCCTGGCC
CCCATTTACAGCAGGAGTTACCTTGTTTTCTGGACAGTGCCAACCTCATGGCCTTCCTC
ATCATGGTTGTGGTGTACCTGCGGATCTACGTGTACGTCAAGAGGAAAACCAACGCTTG
TCTCCGCATACAAGTGGGTCCATCAGCCGCCGGAGGACACCCATGAAGCTAATGAAGACG
GTGATGACTGTCTTAGGGGCGTTTGTGGTATGCTGGACCCCGGGCCTGGTGGTTCTGCTC
CTCGACGGCCTGAACTGCAGGCAGTGTGGCGTGCAGCATGTGAAAAGGTGGTTCCTGCTG
CTGGCGCTGCTCAACTCCGTGTAACCCATCATCTACTCTACAAGGACGAGGACATG
TATGGCACCATGAAGAAGATGATCTGCTGCTTCTCTCAGGAGAACCCAGAGAGCGTCCC
TCTCGCATCCCCTCCACAGTCTCAGCAGGAGTGACACAGGCAGCCAGTACATAGAGGAT
AGTATTAGCCAAGGTGCACTGCAATAAAAGCACTTCCTAA

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Clone variation with respect to NM_012152.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012152 unedited</p> <pre> GAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGAAGAGAGAGA GCTGGAGAGGAGGCGCTCCGCCCGCCAGCCGCTCCTCCGCTGCTTCTCCGCGCCCGGCT GGAGCCCAGGCGCCCGGTCCGCCCGTCCGCTCGACCCGAGGGCATGCGGCAGCCGAGG GGCCCCGCTCCCGGGCTCGGCGGCGGGTGAACGTGAGCGGATGTTCACTTCTCCACA ATGAATGAGTGTCACTATGACAAGCACATGGACTTTTTTTATAATAGGAGCAACTGAT ACTGTCGATGACTGGACAGGAACAAAGCTTGTGATTGTTTTGTGTGTTGGGACGTTTTTC TGCTGTTTATTTTTTTTCTAATTCTCTGGTCATCGCGCAGTGATCAAAAACAGAAAA TTTCATTTCCCTTCTACTACCTGTTGGCTAATTTAGCTGCTGCCGATTTCTTCGCTGGA ATTGCCTATGTATTCTGATGTTTAACACAGGCCAGTTTCAAAAACCTTGTACTGTCAAC CGCTGGTTTTCTCCGTCAGGGGCTTCTGGACAGTAGCTTACTGCTTCCCTACCAACTTG CTGTTATCGCCGTGGAGAGGCACATGTCAATCATGAGGATGCGGGTCCATAGCAACCTG ACCAAAAAGAGGGTGACTGCTCATTGCTTGTCTGGGCCATCGCCATTTTTATGGGG GCGGTCCCACACTGGGCTGGAATTGCCTCTGCAACATCTCTGCCTGCTTCCCTGGCC CNCATTTACAGCANNAGTACCTTTGNTTCTGGACAGTGTNCACCTCATGCNCTTCTCAT CATGGNTGTGGTACCNTGCGATCTACNTGTACGTGAGAAGAAAACCAACGTCTGTCTN CGCATACAAGTGGNTCATCAGNCCGCGNAGGACACCATGAGCTATGAANAACGTGATGA CTGTCTTAGGGCGTTTGTGGGATGCTGGACCCNGNCCTGGGGGTTTGCTCCTCACGGC CTAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_012152 unedited</p> <pre> NTTCTAGGTATACTAGGACCGCGCCGAATCTAAGATCGCATTTTTTTTTTTTTTTTTT TGAACAAAATCTTGCTCTGTCCACCAAATAAGTGCAGTGCTGCGATCTTGGCTCACT CTGCAACCTCCACTCCCGGGTTCAAGTATTCTTATGCCTCACTTCCCAAGTACCTGG TATTACAGGCATGTGCCACCATGCCTGGCTAGTTTTTGTATTTTTAGTAAAGATGCAATT TCACCACATTGCCAGGCTGGTCTCATACTCCTGGCCTCAAGTATCCACCTGCCTCAGC CTCCCAAAGTGTGGGATTACAGGCATGAACCAGCGTGCCTGACCTCTCTCCTTGATTCT TAACATTGTTCTTTGGTCTCTTATTCTCTGTCTTTTGTGGGTTTTCTCTACCTGCT CCTTAAACGTTGGTGTCTCTTGGCTTCTTTGCTCTTACTAGGCAAGATTATCAGCTGG ATGTTCCATAGGCACTTCAAACCTCACATTCTCTCTCTTGTCTTCTGCCTAAACCTT TACTAACACTCCACTGTTTTTCCACCTCCTGAAGGAAAAATGAACTTAATGTAGGCTTG GCCGAAAGCCCATCTGAGACGGTACCCCATATCAGAAGTAATCCAAGGATCCCGGTT TCTTCCCACAGATGCGATAACAACGTCTCCAGATGCCATACCCAAAATATCTATTAACC AACATCCAGTAGACATAGCGTACTCCAGATACACAATAGCGCTGCCAGAGAACAACCAA CAAAGATAAATGAAGAAGAGAGGATACCACTCACATATGAACAACCAGAACATGCGGA AACGATAAAGGCGGACCGGTTGCCACCTAAGTTTACATCGGCACGAAATACCACTAG GCCAGCGCGGGAGCACGAAGAACGGATGAAAACAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_012152
Insert Size:	2750 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: [NM_012152.1](#), [NP_036284.1](#)

RefSeq Size: 1148 bp

RefSeq ORF: 1062 bp

Locus ID: 23566

UniProt ID: [Q9UBY5](#)

Cytogenetics: 1p22.3

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: This gene encodes a member of the G protein-coupled receptor family, as well as the EDG family of proteins. This protein functions as a cellular receptor for lysophosphatidic acid and mediates lysophosphatidic acid-evoked calcium mobilization. This receptor couples predominantly to G(q/11) alpha proteins. [provided by RefSeq, Jul 2008]