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Product datasheet for SC126109

ADGRE1 (BC059395) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADGRE1 (BC059395) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRE1
Synonyms:	egf-like module containing, mucin-like, hormone receptor-like 1; egf-like module containing, mucin-like, hormone receptor-like sequence 1; TM7LN3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for BC059395 edited
AGTAGAAAAGTTTCTTTTCTTTGAATGACAGAACTACAGCATAATGCGTGGCTTCAACCT
GCTCCTCTTCTGGGGATGTTGTGTTATGCACAGCTGGGAAGGGCACATAAGACCCACACG
GAAACCAAACACAAAGGGTAATAACTGTAGAGACAGTACCTTGTGCCCAGCTTATGCCAC
CTGCACCAATACAGTGGACAGTTACTATTGCGCTTGCAAACAAGGCTTCCTGTCCAGCAA
TGGGCAAAATCACTTCAAGGATCCAGGAGTGCGATGCAAAGATATTGATGAATGTTCTCA
AAGCCCCCAGCCCTGTGGTCCTAACTCATCCTGCAAAAACCTGTCAGGGAGGTACAAGTG
CAGCTGTTTAGATGGTTTCTCTTCTCCCACTGGAAATGACTGGGTCCCAGGAAAGCCGGG
CAATTTCTCCTGTACTGATATCAATGAGTGCCTCACCAGCAGCGTCTGCCCTGAGCATTC
TGACTGTGTCAACTCCATGGGAAGCTACAGTTGCAGCTGTCAAGTTGGATTCATCTCTAG
AAACTCCACCTGTGAAGACGTGGATGAATGTGCAGATCCAAGAGCTTGCCCAGAGCATGC
AACTTGTAATAACACTGTTGGAAACTACTCTTGTTTCTGCAACCCAGGATTTGAATCCAG
CAGTGGCCACTTGAGTTTCCAGGGTCTCAAAGCATCGTGTGAAGATATTGATGAATGCAC
TGAAATGTGCCCCATCAATTCAACATGCACCAACACTCCTGGGAGCTACTTTTGCACCTG
CCACCCTGGCTTTGCACCAAGCAATGGACAGTTGAATTTCACAGACCAAGGAGTGGAATG
TAGAGATATTGATGAGTGCCGCCAAGATCCATCAACCTGTGGTCCTAATTCTATCTGCAC
CAATGCCCTGGGCTCCTACAGCTGTGGCTGCATTGCAGGCTTTCATCCCAATCCAGAAGG
CTCCCAGAAAGATGGCAACTTCAGCTGCCAAAGGGTTCTCTTCAAATGTAAGGAAGATGT
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GGAGAGTGTGGAAAGCATGACACTGGCATCTTTTTGGAAACCCTCAGCAAATATCACTCC
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GATCAAGCTGAAGATGAATTCTCGAGTCGTTGGGGGCATAATGACTGGAGAGAAGAAAGA
CGGCTTCTCAGATCCAATCATCTACACTCTGGAGAACATTCAGCCAAAGCAGAAGTTTGA
GAGGCCCATCTGTGTTTCCTGGAGCACTGATGTGAAGGGTGGAAGATGGACATCCTTTGG
CTGTGTGATCCTGGAAGCTTCTGAGACATATACCATCTGCAGCTGTAATCAGATGGCAAA
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GCACATCTGTGCCTTTGGTTATGGGCTGCCGATGCTGGTGGTGGTGATCTCTGCCAGTGT
GCAGCCACAGGGCTATGGAATGCATAATCGCTGCTGGCTGAATACAGAGACAGGGTTCAT
CTGGAGTTTCTTGGGGCCAGTTTGCACAGTTATAGTGATCAACTCCCTTCTCCTGACCTG
GACCTTGTGGATACTGAGGCAGAGGCTTTCCAGTGTTAATGCCGAAGTCTCAACGCTAAA
AGACACCAGGTTACTGACCTTCAAGGCCTTTGCCCAGCTCTTCATCCTGGGCTGCTCCTG
GGTGCTGGGCATTTTTCAGATTGGACCTGTGGCAGGTGTCATGGCTTACCTGTTCACCAT
CATCAACAGCCTGCAGGGGGCCTTCATCTTCCTCATCCACTGTCTGCTCAACGGCCAGGT
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CTCAAGGATCTTGCTGTCCTCCATGCCATCCGCTTCCAAGACGGGTTAAAGTCCTTTCTT
GCTTTCAAATATGCTATGGAGCCACAGTTGAGGACAGTAGTTTCCTGCAGGAGCCTACCC
TGAAATCTCTTCTCAGCTTAACATGGAAATGAGGATCCCACCAGCCCCAGAACCCTCTGG
GGAAGAATGTTGGGGGCGGTCTTCCTGTGGTTGTATGCACTGATGAGAAATCAGGCGTTT
CTGCTCCAAACGACCATTTTATCTTCGTGCTCTGCAACTTCTTCAATTCCAGAGTTTCTG
AGAACAGACCCAAATTCAATGGCATGACCAAGAACACCTGGCTACCATTTTGTTTTCTCC
TGCCCTTGTTGGTGCATGGTTCTAAGCATGCCCCTCCAGAGCCTATCATACGCCTGATAC
AGAGAACCTCTCAATAAATGATTTGTCGCCTGTCTGACTGATTTACCCTAGGAAAAAAAA
AAAAAAAAAGAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for BC059395 unedited
NGGGTCTTTGGATTTTGTAATACGACTTATATAGGCGGCCGCATAACTTCGTATAGCATA
CATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGCCCTAGC
GAGGTGACAGCGTAGAACCAGAGTAGAAAAGTTTCTTTTCTTTGAATGACAGAACTACAG
CATAATGCGTGGCTTCAACCTGCTCCTCTTCTGGGGATGTTGTGTTATGCACAGCTGGGA
AGGGCACATAAGACCCACACGGAAACCAAACACAAAGGGTAATAACTGTAGAGACAGTAC
CTTGTGCCCAGCTTATGCCACCTGCACCAATACAGTGGACAGTTACTATTGCGCTTGCAA
ACAAGGCTTCCTGTCCAGCAATGGGCAAAATCACTTCAAGGATCCAGGAGTGCGATGCAA
AGATATTGATGAATGTTCTCAAAGCCCCCAGCCCTGTGGTCCTAACTCATCCTGCAAAAA
CCTGTCAGGGAGGTACAAGTGCAGCTGTTTAGATGGTTTCTCTTCTCCCACTGGAAATGA
CTGGGTCCCAGGAAAGCCGGGCAATTTCTCCTGTACTGATATCAATGAGTGCCTCACCAG
CAGCGTCTGCCCTGAGCATTCTGACTGTGTCAACTCCATGGGAAGCTACAGTTGCAGCTG
TCAAGTTGGATTCATCTCTAGAAACTCCACCTGTGAAGACGTGGATGAATGTGCAGATCC
AAGAGCTTGCCCAGAGCATGCAACTTGTAATAACACTGTTGGAAACTACTCTTGTTTCTG
CAACCCAGGATTTGAATCCAGCAGTGGCCACTTGAGTTTCCAGGGTCTCAAAGCATCGTG
TGAAGATATTGATGAATGCACTNGAATGTGCCCCATCAATTTCACATGCACCCACACTCC
TGGGAGCTACTTTTGCACCTGCCACCCTGGCT
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Restriction Sites: NotI-NotI

ACCN: BC059395

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: BC059395.1, AAH59395.1

RefSeq Size: 2966 bp

RefSeq ORF: 2463 bp

Locus ID: 2015

Cytogenetics: 19p13.3-p13.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a protein that has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]