

Product datasheet for **SC315859**

GPR64 (ADGRG2) (NM_001079858) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR64 (ADGRG2) (NM_001079858) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR64
Synonyms:	CBAVDX; EDDM6; GPR64; HE6; TM7LN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001079858, the custom clone sequence may differ by one or more nucleotides

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ATGGTTTTCTCTGTCAGGCAGTGTGCCATGTTGGCAGAAGTGAAGAAGTTTTACTGACG
TTCAAGATATTCCTTGTCATCATTGTCTTCATGTCGTTCTGGTAACATCCCTGGAAGAA
GATACTGATAATTCCAGTTTGTACCACCACCTGCTAAATTATCTGTTGTCAGTTTTGCC
CCCTCCTCCAATGGTACTCCAGAGGTTGAAACAACAAGCCTCAATGATGTTACTTTAAGC
TACTCCCTTCAAACGAAACAGAAAAAACTAAAATCACTATAGTAAAAACCTTCAATGCA
TCAGGCGTCAAACCCAGAGAAATATCTGCAATTTGTCATCTATTTGCAATGACTCAGCA
TTTTTTAGAGGTGAGATCATGTTTCAATATGATAAAGAAAGCACTGTTCCCGAATCAA
CATATAACGAATGGCACCTTAAGTGGAGTCTGTCTCTAAGTGAATTAACGCTCAGAG
CTCAACAAAACCTGCAAACCTAAGTGGAGTACTTTATAATGTGTGCTACAGCAGAG
GCCAAAAGCACATTAAATTGTACATTCACAATAAACTGAATAATACAATGAATGCATGT
GCTGTAATAGCTGCTTTGGAAAGAGTAAAGATTCGACCAATGGAACACTGCTGCTTCT
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GATCCCATTGTCTGTCTTGTGACCATCCACGTGGCCACCATTTTCTCCAGCCAATCC
ATCCAGTGGTGCCTCGGGCCACTGTGCTTCCAGGTCCCAAAGCTACCTCTTTTGT
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CCCCTTTCACCCAGCCTTCAGTCCCATAGCTTCCAGCCCTGCCATTGACATGCCCCCA
CAGTCTGAAACGATCTCTTCCCCTATGCCCAAACCCATGTCTCCGGCACCCCACTCCT
GTGAAAGCCTCATTTTCTCTCCACCGTGTCTGCCCTGCGAATGTCAACACTACCAGC
GCACCTCTGTCCAGACAGACATCGTCAACACCAGCAGTATTTCTGATCTTGAGAACC
GTGTTGCAGATGGAGAAGGCTCTGTCTTGGCAGCCTGGAGCCTAACCTCGCAGGAGAA
ATGATCAACCAAGTCAGCAGACTCCTTCAATCCCGCCTGACATGCTGGCCCTCTGGCT
CAAAGATTGCTGAAAGTAGTGGATGACATTGGCCTACAGTGAACCTTTCAAACACGACT
ATAAGTCTAACCTCCCCTTCTTTGGCTCTGGCTGTGATCAGAGTGAATGCCAGTAGTTTC
AACACAACACTCTTTGTGGCCAAAGACCCTGCAAATCTCAGGTTTCTCTGGAAACCCAA
GCTCCTGAGAACAGTATTGGCACAATTACTCTTCTTCATCGCTGATGAATAATTTACCA

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GCTCATGACATGGAGCTAGCTTCCAGGGTTCAGTTCAATTTTTTTGAAACACCTGCTTTG
 TTTTCAGGATCCTTCCCTGGAGAACCTCTCTCTGATCAGCTACGTCATATCATCGAGTGTT
 GCAAACCTGACCGTCAGGAACCTTGACAAGAAACGTGACAGTCACATTAAGCACATCAAC
 CCGAGCCAGGATGAGTTAACAGTGAGATGTGTATTTGGGACTTGGGCAGAAATGGTGGC
 AGAGGAGGCTGGTCAGACAATGGCTGCTCTGTCAAAGACAGGAGATTGAATGAAACCATC
 TGTACCTGTAGCCATCTAACAAAGCTTCGGCGTTCTGCTGGACCTATCTAGGACATCTGTG
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 CCTTCCAAAATCCTCATCCAGCTGTGTGCTGCTCTGCTTCTGCTGAACTGGTCTTCCTC
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 AACGTCAGCATGTTTATTGTGGTCTGGTTCAGCTCTGTGCAATTAAGAAAGAAAGCAA
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 CTGGCTGAAAATCTGACTGGAGTAAACTGCTACTAATGGTTTAAAGAAGCAGACTGTA
 AACCAAGGAGTGTCCAGCTCTTCAAATTCCTTACAGTCAAGCAGTAACTCCACTAACTCC
 ACCACACTGCTAGTGAATAATGATTGCTCAGTACACGCAAGCGGGAATGGAAATGCTTCT
 ACAGAGAGGAATGGGGTCTTTTTAGTGTTTACAGAAATGGAGATGTGTGCCTTACGATTTT
 ACTGAAAACAGCACATGTTTAAACGAGAAGGAAGATTCCTGCAATGGGAAAGCCGTATG
 GCTCTCAGAAGGACTTCAAAGCGGGGAAGCTTACACTTTATTGAGCAAATG

Restriction Sites:

Please inquire

ACCN:

NM_001079858

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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.

RefSeq: [NM_001079858.1](#), [NP_001073327.1](#)

RefSeq Size: 4768 bp

RefSeq ORF: 3054 bp

Locus ID: 10149

UniProt ID: [Q8IZP9](#)

Cytogenetics: Xp22.13

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: This gene encodes a member of the G protein-coupled receptor family described as an epididymis-specific transmembrane protein. The encoded protein may be proteolytically processed as it contains a motif shown to be a protein scission motif in some members of this family (PMID: 11973329). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).