

Product datasheet for **SC329244**

GPR64 (ADGRG2) (NM_001184836) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR64 (ADGRG2) (NM_001184836) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRG2
Synonyms:	CBAVDX; EDDM6; GPR64; HE6; TM7LN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001184836, the custom clone sequence may differ by one or more nucleotides

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ATGGTTTTCTCTGTCAGGCAGTGTGCCATGTTGGCAGAAGTGAAGAAGTTTACTGACG
TTCAAGATATTCCCTGTGCATCATTGTCTTCATGTCGTTCTGGTAACATCCCTGGAAGAA
GATACTGATAATTCCAGTTTGTCAACCACCTGATGTTACTTTAAGCTTACTCCCTTCA
AACGAAACAGAAAAACTAAAATCACTATAGTAAAAACCTTCAATGCATCAGGCGTCAA
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GAGATCATGTTTCAATATGATAAAGAAAGCACTGTTCCCCAGAATCAACATATAACGAAT
GGCACCTAACTGGAGTCTGTCTAAGTGAATAAAACGCTCAGAGCTCAACAAAACC
CTGCAAAACCTAAGTGAGACTTACTTTATAATGTGTGCTACAGCAGAGGCCAAAAGCACA
TTAAATTGTACATTACAATAAACTGAATAATAAATGAATGCATGTGCTGTAATAGCT
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TGCCCTTCTCCCGAAGAGATTGGAAAAGCTTCAAGTGTGACCTGCAGGATCCCATTGTC
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TATTCACCTGTGACCCACAATGTTCCCTCTCCAATAGGGGAGATTCAACCCCTTTCACCC
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GTCAGCAGACTCCTTATTCCCCGCTGACATGCTGGCCCTCTGGCTCAAAGATTGCTG
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TCCCCTTCTTTGGCTCTGGCTGTGATCAGAGTGAATGCCAGTAGTTTCAACACAACCTACC
TTTGTGGCCCAAGACCCTGCAAATCTTCAGTTTCTCTGGAACCCAAGCTCCTGAGAAC
AGTATTGGCACAATTACTCTTCTTCATCGCTGATGAATAATTTACCAGCTCATGACATG
GAGCTAGCTTCCAGGGTTCAGTTCAATTTTTTTGAAACACCTGCTTGTTCAGGATCCT

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TCCCTGGAGAACCTCTCTGATCAGCTACGTCATATCATCGAGTGTGCAAACCTGACC
GTCAGGAACCTTGACAAGAAACGTGACAGTCACATTAAAGCACATCAACCCGAGCCAGGAT
GAGTTAACAGTGAGATGTGTATTTGGGACTTGGGCAGAAATGGTGGCAGAGGAGGCTGG
TCAGACAATGGCTGCTCTGTCAAAGACAGGAGATTGAATGAAACCATCTGTACCTGTAGC
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ATGATGGCTCTGACGTTACATACATATATTGGTTGTGGGCTTTCATCAATTTTTCTGTCA
GTGACTCTTGTAACCTACATAGCTTTTGGAAAAGATCCGGAGGGATTACCCTTCCAAAATC
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TTCATTGTGGTCTGGTTCAGCTCTGTGCAATTAAGAAGAAGCAACTGGGAGCCAG
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TCTGACTGGAGTAAAACCTGCTACTAATGGTTTAAAGAAGCAGACTGTAACCAAGGAGTG
TCCAGCTCTTCAAATTCCTTACAGTCAAGCAGTAACTCCACTAACTCCACCACACTGCTA
GTGAATAATGATTGCTCAGTACACGCAAGCGGGAATGGAATGCTTCTACAGAGAGGAAT
GGGGTCTCTTTTAGTGTTTCAAGTGGAGATGTGTGCCTTACGATTTCACTGGAAAACAG
CACATGTTTAAACGAGAAGGAAGATTCTCTGCAATGGGAAAGGCCGTATGGCTCTCAGAAGG
ACTTCAAAGCGGGGAAGCTTACACTTTATTGAGCAAATGTGA
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Restriction Sites:

Please inquire

ACCN:

NM_001184836

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.

RefSeq:

[NM_001184836.1](#), [NP_001171765.1](#)

RefSeq Size:

4823 bp

RefSeq ORF: 2982 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 (8) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (8) has the same N- and C-termini but is shorter compared to isoform 1.