

Product datasheet for **SC108549**

GPR64 (ADGRG2) (NM_005756) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR64 (ADGRG2) (NM_005756) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR64
Synonyms:	CBAVDX; EDDM6; GPR64; HE6; TM7LN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005756, the custom clone sequence may differ by one or more nucleotides

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ATGGTTTTCTCTGTCAGGCAGTGTGGCCATGTTGGCAGAAGTGAAGAAGTTTTACTGACGTTCAAGATAT
TCCTTGTCATCATTGTCTTCATGTCGTTCTGGTAACATCCCTGGAAGAAGATACTGATAATTCCAGTTT
GTCACCACCACCTGCTAAATTATCTGTTGTCAGTTTTGCCCTCCTCCAATGAGGTTGAAACAACAAGC
CTCAATGATGTTACTTTAAGCTTACTCCCTTCAAACGAAACAGAAAAAACTAAAATCACTATAGTAAAA
CCTTCAATGCATCAGGCGTCAAACCCAGAGAAATATCTGCAATTTGTCATCTATTTGCAATGACTCAGC
ATTTTTAGAGGTGAGATCATGTTCAATATGATAAAGAAAGCACTGTTCCCCAGAATCAACATATAACG
AATGGCACCTTAACTGGAGTCTGTCTCTAAGTGAATTAACGCTCAGAGCTCAACAAAACCTGCAAA
CCCTAAGTGAGACTTACTTTATAATGTGTGCTACAGCAGAGGCCAAAGCACATTAATTTGTACATTAC
AATAAACTGAATAATACAATGAATGCATGTGCTGTAATAGCTGCTTTGGAAAGAGTAAAGATTCGACCA
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GTGACCTGCAGGATCCCATTGTCTGTCTTGTCTGACCATCCAGTGGCCACCATTTCTCCAGCCAATC
CATCCCAGTGGTCCCTCGGGCCACTGTGCTTCCAGGTCCTCCAAAGCTACCTCTTTTGCTGAGCCTCCA
GATTATTCACCTGTGACCCACAATGTTCCCTCCTCAATAGGGGAGATTCAACCCCTTTCACCCAGCCTT
CAGCTCCCATAGCTTCCAGCCCTGCCATTGACATGCCCCACAGTCTGAAACGATCTCTTCCCTATGCC
CCAAACCCATGTCTCCGGCACCCACCTCCTGTGAAAGCCTCATTTTCTCTCCACCGTGTCTGCCCT
GCGAATGTCAACTACCAGCGCACCTCCTGTCCAGACAGACATCGTCAACACCAGCAGTATTTCTGATC
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AATGATCAACCAAGTCAAGACTCCTTATTCCCGCCTGACATGCTGGCCCTCTGGCTCAAAGATTG
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CACCTGCTTGTTCAGGATCCTTCCCTGGAGAACCTCTCTGATCAGCTACGCATATCATCGAGTGT
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TACAGAGAGGAATGGGGTCTCTTTAGTGTTCAGAATGGAGATGTGTGCCTTACGATTTCACTGAAAA
CAGCACATGTTTAAACGAGAAGGAAGATTCTGCAATGGGAAAGGCCGTATGGCTCTCAGAAGGACTTCAA
AGCGGGGAAGCTTACACTTTATTGAGCAATGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005756 unedited
 GGCGGCAAAAACATTCGGCACGAGGCGGCAGGTGTGCACAGAGTTCTCCACTTTGTTTT
 CTGAACTCGCGGTGAGGATGGTTTTCTCTGTGACGAGCAGTGGCCATGTTGGCAGAACTG
 AAGAAGTTTTACTGACGTTAAGATATTCCTTGTATCATTTTGTCTTCATGTGCTGTTCTGG
 TAACTNCCTTGTAAAGAAGATACTGATAATTCCAGTTTGTACCACCACCTGCTAAATTAT
 CTGTTGTCAGTTTTGCCCCCTCCTCCAATGAGGTTGAAACAACAAGCCTCAATGATGTTA
 CTTTAAGCTTACTCCCTTCAAACGAAACAGAAAAACTAAAATCACTATAGTAAAAACCT
 TCAATGCATCAGGCGTCAAACCCAGAGAAATATCTGCAATTTGTCATCTATTTGCAATG
 ACTCAGCATTTTTTAGAGGTGAGATCATGTTTCAATATGATAAAGAAAGCACTGTTCCCC
 AGAATCAACATATAACGAATGGCACCTTAACTGGAGTCCTGTCTAAGTGAATTAAC
 GCTCAGAGCTCAACAAAACCTGCAAACCTAAGTGAAGTACTTTATAATGTGTGCTA
 CAGCAGAGGCCCAAGCACATTAATTGTACATTCACAATAAACTGAATAATACAATGA
 ATGCATGTGCTGTAATAGCTGCTTTGGAAAGATAAGATTGACCAATGGAACACTGCT
 GCTGTTCTGTGAGGATACCTGCCCTTCCCTCCCAGAAGAGATGAAAAAGCTTCGTGT
 GACCTGGAGGATCCCTTGTCTGTCTTGCTGACCATCCCCGTGGCCACCATTTTCTTCCA
 GCCAATCCATCCAATTGGTGCCTCCGGGCCCTGGGGCTTCCCAGGTCCCCAAGTACCT
 CTTTTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005756 unedited
 GGGTTTTTGGCAATATTTTAATTGCTTTTAACTTTTTGNTTTTAAACATATAAATACAA
 GAAAAATTAATAAATCAGAAAAGAAATTTGCAAAGACAAGTCAAGCACTCACAGAAATGT
 GTATTACTATGGTTAGTCTGAGATCCAACATTCAGTGAATATATGCAAGAGAACC
 TTAGTAAAGACTTAACTAAAAGGGTTTGAATGTTCCCTAATAAGGATGACTTGAGGC
 ACTGCTCAAGCAGATGTAGGTAGGAAGCAAGATAGACCCTGTATATAACTAGGAGCAATC
 AAGGCTCGATACATGTAGCAACAATAGCAGTGTAGGACAGTTCCTGTTCCCAATAGCTA
 CTCCCCTGTCACTGTGCATTCTTCAAGACACATTTAAAAACAATTATAGCTCTGGCTG
 GGCCAGAGTGTACCAGTCATAACAATCAACAATGTACCATGCAGTTGCCTTTTAAAGAAC
 GGCAATATGATTTTTTCCATATATATGTACCTTTTTAAGAGAAGGAATCCTAGTCTACT
 CTCCTGTTCCCTAAAGCTCTGGGATTTGAGAAGCGGCAGTGTATGTACCTCATCTACGT
 TCACAATTTTCTGACACATGGTCTGGATGACAGTTCATCCCTCTCTGGGGCCAAGGTAT
 AAAGCTAAACATCTTGGTGCAGATCTATAATTTGACTCCTGGGATGCCGGCACGGGAT
 GGGTTTTTTCATATTGGATGCTGTGTTCCGCTGCCAGGCCGGGCCCCACAGGGGAGTG
 GGGCAAAAAATGGCTCTCCATCGGCCTGCCTAACCATGAACCCCTAGGCCTCGTTCC
 GCCCATCGGGGCATTTTTTCCACTTGCTTACAGGCCTCGTGCACCTGACGTGCGTCC
 TGTGCTGGTCCACTTTCTATCCTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_005756

Insert Size:

4600 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:	<ol style="list-style-type: none">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_005756.1 , NP_005747.1
RefSeq Size:	4886 bp
RefSeq ORF:	3045 bp
Locus ID:	10149
UniProt ID:	Q8IZP9
Cytogenetics:	Xp22.13
Domains:	GPS, 7tm_2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.</p>