

## Product datasheet for **SC319820**

### GPR64 (ADGRG2) (NM\_001079859) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR64 (ADGRG2) (NM_001079859) 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:** >OriGene sequence for NM\_001079859.1  
AGCCCCGAGGACGCGAGCGGCAGGTGTGCACAGAGGTTCTCCACTTTGTTTTCTGAAGT  
GCGGTCAGGATGTTTTCTCTGTCAGGCAGTGTGGCCATGTTGGCAGAAGTGAAGAAGT  
TTACTGACGTTCAAGATATTCCTTGTGCATCATTTGTCTTCATGTGCTTCTGGTAACATCC  
CTGGAAGAAGATACTGATAAATCCAGTTTGTCAACCACCCTGCTAAATTATCTGTTGTC  
AGTTTTGCCCCCTCCTCAATGGTACTCCAGAGTTGAAACAACAAGCCTCAATGATGTT  
ACTTTAAGCTTACTCCCTCAAACGAAACAGGCGTCAAACCCAGAGAAATATCTGCAAT  
TTGTCATCTATTTGCAATGACTCAGCATTTTTAGAGGTGAGATCATGTTCAATATGAT  
AAAGAAAGCACTGTTCCCAGAATCAACATATAACGAATGGCACCTTAACTGGAGTCTG  
TCTCTAAGTGAATAAAACGCTCAGAGCTCAACAAAACCTGCAAACCTAAGTGAGACT  
TACTTTATAATGTGTGCTACAGCAGAGGCCAAAGCACATTAATTTGTACATTCACAATA  
AAACTGAATAATACAATGAATGCATGTGCTGTAATAGCTGCTTTGGAAAGAGTAAAGATT  
CGACCAATGGAACACTGTGCTGTTCTGTGAGGATACCCTGCCCTTCTCCCCAGAAGAG  
TTGAAAAGCTTCAGTGTGACCTGCAGGATCCCATTGTCTGTCTTGTGACCATCCACGT  
GGCCCACCATTTTCTCCAGCCAATCCATCCCAGTGGTGCCTCGGGCCACTGTGCTTTCC  
CAGGTCGCCAAAGCTACCTCTTTTGTGAGCCTCCAGATTATTCACCTGTGACCCACAAT  
GTTCCCTCTCCAATAGGGGAGATTCAACCCCTTCAACCCAGCCTCAGCTCCCATAGCT  
TCCAGCCCTGCCATTGACATGCCCCACAGTCTGAAACGATCTCTCCCCTATGCCCCAA  
ACCCATGTCTCCGGCACCCACCTCCTGTGAAAGCCTCATTTTCTCTCCCACCGTGTCT  
GCCCTGCGAATGTCAACTACCAGCGCACCTCCTGTCCAGACAGACATCGTCAACACC  
AGCAGTATTTCTGATCTTGAGAACCAAGTGTGAGATGGAGAAGGCTCTGCTCTGGGC  
AGCCTGGAGCCTAACCTCGCAGGAGAAATGATCAACCAAGTCAGCAGACTCCTTCATTCC  
CCGCTGACATGCTGGCCCTCTGGCTCAAAGATTGCTGAAAGTGTGGATGACATCGTC  
CTACAGCTGAACCTTTCAAACACGACTATAAGTCTAACCTCCCCTTCTTTGGCTCTGGCT  
GTGATCAGAGTGAATGCCAGTAGTTTCAACACAACCTTTGTGGCCCAAGACCCTGCA  
AATCTTCAGGTTTCTCTGAAACCAAGCTCCTGAGAACAGTATTGGCACAATTACTCTT  
CCTTCATCGCTGATGAATAATTTACCAGCTCATGACATGGAGCTAGCTTCCAGGGTTCAG



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TTCAATTTTTTTGAAACACCTGCTTTGTTTCAGGATCCTTCCCTGGAGAACCTCTCTCTG  
 ATCAGCTACGTATATCATCGAGTGTGCAAACCTGACCCTGAGGAACCTGACAAGAAAC  
 GTGACAGTCACATTAAGCACATCAACCCGAGCCAGGATGAGTTAACAGTGAGATGTGTA  
 TTTTGGGACTTGGGCAGAAATGGTGGCAGAGGAGGCTGGTCAGACAATGGCTGCTCTGTC  
 AAAGACAGGAGATTGAATGAAACCATCTGTACCTGTAGCCATCTAACAAAGCTTCGGCGTT  
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 GCTTTTAAAAGATCCGGAGGGATTACCCTTCCAAAATCCTCATCCAGCTGTGTGCTGCT  
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 GATTCCTGCAATGGGAAAGCCGTATGGCTCTCAGAAAGACTTCAAAGCGGGGAAGCTTA  
 CACTTTATTGAGCAAAATGTGATTCCTTTCTTCTAAAATCAAAGCATGATGCTTGACAGTG  
 TGAAATGTCCAATTTTACCTTTTACACAATGTGAGATGTATGAAAATCAACTCATTTTAT  
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 TTATAAGAAGTTGGTTTTAAACAATACACTAAGAATGACTCCTATAAAGAAAACAAAA  
 AAGGTAGTGAACCTTTCAGCTACCTTTTAAAGAGGCTAAGTTATCTTTGATAACATCATAT  
 AAAGCAACTGTTGACTTACGCTGTGGTGTGAGTTAGTTGTGCATGCCTTTGTTGTATAT  
 AAGCTAAATCTAGTGACCCATGTGTCAAAAATCTTACTTCTACATTTTTTTGTATTTAT  
 TTTCTACTGTGTAATGTATTCTTTGTAGAATCATGGTTGTTTTGTCTCACGTGATAAT  
 TCAGAAAATCCTTGTCTGTTCCGCAATCCTAAAGCTCCTTTGGAGATGATATAGGATG  
 TGAAATACAGAAACCTCAGTGAATCAAGAAAATATGATCCCAGCCAGACTGAGAAAATG  
 TAAGCAGACAGTGCCACAGTTAGCTCATACAGTGCCTTTGAGCAAGTTAGGAAAAGATGC  
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 GAAAATTTGTAACGTAGATGAGGTACATACACTGCCGCTTCTCAAATCCCAGAGCCTTT  
 AGGAACAGGAGAGTAGACTAGGATTCCTTCTTAAAAAGGTACATATATATGAAAAAA  
 ATCATATTGCCGTTCTTTAAAAGGCAACTGCATGGTACATTGTTGATTGTTATGACTGGT  
 AACTCTGGCCAGCCAGAGCTATAATTGTTTTTAAATGTGCTTGAAGAATGCACAGT  
 GACAAGGGGAGTAGCTATTGGGAACAGGGAAGTGCCTACACTGCTATTGTTGCTACATG  
 TATCGAGCCTTGATTGCTCCTAGTTATATACAGGGTCTATCTTGCTTCTACCTACATCT  
 GCTTGAGCAGTGCCTCAAGTACATCCTTATTAGGAACATTTCAAACCCCTTTTAGTTAAG  
 TCTTTCACTAAGTTCTCTTGCATATATTTCAAGTGAATGTTGGATCTCAGACTAACCAT  
 AGTAATAATACACATTTCTGTGAGTGCTGACTGTCTTTGCAATATTTCTTTTCTGATTT  
 ATTTAATTTTCTGTATTTATATGTTAAAATCAAAAATGTTAAAATCAATGAAATAAAT  
 TGCAGTTAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001079859
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001079859.1</a></u> , <u><a href="#">NP_001073328.1</a></u>
<b>RefSeq Size:</b>	4775 bp
<b>RefSeq ORF:</b>	3012 bp
<b>Locus ID:</b>	10149
<b>UniProt ID:</b>	<u><a href="#">Q8IZP9</a></u>
<b>Cytogenetics:</b>	Xp22.13
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	<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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>