

## Product datasheet for **SC325009**

### GPR45 (NM\_007227) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR45 (NM_007227) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR45
Synonyms:	PSP24; PSP24(ALPHA); PSP24A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007227, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTGCAACAGCACGTCCCTTGAGGCTTACACATACCTGCTGCTGAACACCAGCAACGCCTCAGACT
CGGGGTCCACCCAGTTGCCCGCACCCCTCAGGATCTCCTTGCCATAGTGATGCTGCTGATGACCGTGGT
GGGGTTCCTGGGCAACTGTGGTCTGCATCATCGTGTACCAGAGGCCGGCTATGCGCTCGGCCATCAAC
CTGCTGCTGGCCACCCTGGCCTTCTCCGACATCATGCTGTCCCTCTGCTGCATGCCCTTCACCGCCGTCA
CCCTCATACCGTGGCTGGCACTTTGGGGACCACTTCTGCCGCCTCTCAGCCACGCTCTACTGGTTTTT
TGTCTGGAGGGCGTGGCCATCCTGCTCATCATCAGCGTGGACCGCTTCCTCATCATCGTCCAGCGCCAG
GACAAGCTGAACCCGCGCAGGGCCAAGGTGATCATCGCGGTCTCCTGGGTGCTGCTTCTGCATCGCGG
GGCCCTCGCTCACGGGCTGGACGCTGGTGGAGGTGCCGGCGCGGGCCCCACAGTGCCTGCTGGGCTACAC
GGAGCTCCCCGCTGACCGCGCCTACGTGGTACCTTGGTGGTGGCCGTGTTCTTCGCGCCCTTTGGCGTC
ATGCTGTGCGCCTACATGTGCATCCTCAACACGGTCCGCAAGAACGCCGTGCGCGTGCACAACAGTCCGG
ACAGCCTGGACCTGCGGCAGCTCACCAGGGCGGGCCTGCGGCGCCTGCAGCGGCAGCAACAGGTCAGCGT
GGACTTGAGCTTCAAGACCAAGGCCTTACCACCATCCTGATCCTCTTCGTGGGCTTCTCCCTCTGCTGG
CTGCCCACTCCGTCTACAGCCTCCTGTCTGTGTTAGCCAGCGCTTTACTGCGGTTCCCTCTTACG
CCACCAGCACCTGCGTCTGTGGCTCAGTTACCTCAAGTCCGTCTCAACCCCATCGTCTACTGCTGGAG
AATCAAAAAATTCGCGAGGCCTGCATAGAGTTGCTGCCCGACCTTCCAAATCCTCCCCAAAGTGCCT
GAGCGGATCCGAAGGAGAATCCAGCCAAGCACAGTCTACGTGTGCAATGAAAACCAAGTCTGCGGTTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007227 unedited CCTTTCCGNNNATGTCAGATTTGTAAACGATCACTATAGGCGGCCGCGNAATCAGATCTG GTACCGAGCTCGGCTCCACTAGTAAACGGCCGCCAGTGTGCTGGAATTCGGCTTTTCTGTC CCAGCTCCAAGGTCTCTCCCGATGGCCTGCAACAGCACGTCCCTTGAGGCTTACACATAC CTGCTGCTGAACACCAGCAACGCCTCAGACTCGGGTCCACCCAGTTGCCCGCACCCCTC AGGATCTCCTTGGCCATAGTGATGCTGTGATGACCGTGGTGGGTTCTGGGCAACACT GTGGTCTGCATCATCGTGTACCAGAGGCCGGCTATGCGCTCGGCCATCAACCTGCTGCTG GCCACCCTGGCCTTCTCCGACATCATGCTGTCCCTCTGCTGCATGCCCTTACCGCCGTC ACCCTCATCACCGTGGCCTGGCCTTTGGGGACCACTTCTGCCGCTCTCAGCCACGCTC TACTGGTTTTTTGTCCTGGAGGGCGTGGCCATCCTGCTCATCATCAGCGTGGACCGCTTC CTCATCATCGTCCAGCGCCAGGACAAGCTGAACCCGCGCAGGGCCAAGGTGATCATCGCG GTCTCCTGGGTGCTGTCTTCTGCATCGCGGGGCCCTCGCTCACGGGCTGGACACTGGTG GAGGTGCCGGCGGGGCCCCACAGTGCCTGCTGGGCTACACGGAGCTCCCCGCTGACCGC GCCTACGTGGTACCTTGGTGGNTGGCCGTGTTCTTCGCGCCCTTGGCGTTCATGCTGTG CGCTACATGTGCATCCTACACAGGATCGCAAGAACCGCTGCGCGTGN
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_007227
<b>Insert Size:</b>	1100 bp
<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 was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
<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>	<a href="#">NM_007227.3</a> , <a href="#">NP_009158.3</a>
<b>RefSeq Size:</b>	1725 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	11250
<b>UniProt ID:</b>	<a href="#">Q9Y5Y3</a>

<b>Cytogenetics:</b>	2q12.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	This intronless gene encodes a member of the G protein-coupled receptor (GPCR) family. Members of this protein family contain seven putative transmembrane domains and may mediate signaling processes to the interior of the cell via activation of heterotrimeric G proteins. This protein may function in the central nervous system. [provided by RefSeq, Jul 2008]