

Product datasheet for **SC116840**

GPR6 (NM_005284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR6 (NM_005284) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	<p>>OriGene sequence for NM_005284 edited</p> <pre> GGTGTAAATCCGGCCGCGATGAACGCGAGCGCCGCTCGCTCAACGACTCCCAGGTGGT GTAGTGGCGGCCGAAGGAGCGGCGGCGGCCACAGCAGCAGGGGGCCGGACACGGGC GAATGGGACCCCTGCTGCGGCGGCTCTAGGAGCCGGCGGGAGCTAATGGTCTCTG GAGCTGTCTCGCAGCTGTCGGTGGGCCACCGGACTCCTGCTGCCAGCGGTGAATCCG TGGGACGTGCTCCTGTGCGTGTGGGACAGTATCGTGGAGAAAACCGCTGGTGGT GCGCTCATCGCGTCCACTCCGGCGCTGCGCACGCCCATGTTCTGCTGGTAGGCAGCTG GCCACCGCTGACCTGTTGGCGGGCTGTGCCTCATCTTGCACTTTGTGTTCCAGTACTT GTGCCCTCGGAGACTGTGAGTCTGCTCACGGTGGGCTTCCTCGTGGCCTCCTTCGCCG TCTGTGACGAGCTGCTGGCATTACGGTGGACCGCTACCTGTCCCTGTATAACGCGCTC ACCTATTACTCGCGCCGACCCTGTTGGGCGTGCACCTCCTGCTTGGCCCACTTGGACC GTGTCCTAGGCTGGGCTGCTGCCCGTGGGCTGGAAGTGCCTGGCAGAGCGCGCC GCCTGCAGCGTGGTGGCCCGCTGGCGCGCAGCCACGTGGCTCTGCTCTCCGCCCTTC TTCATGGTCTTCGGCATCATGCTGCACCTGTACGTGCGCATCTGCCAGGTGGTCTGGCG CACGCGCACAGATCGCGCTGCAGCAGCACTGCCTGGCGCCACCCATCTCGCTGCCACC AGAAAGGGTGTGGGTACTGCTGGTGTGGTGGTGGCACTTTCGGCGCCAGCTGGTGGCC TTCGCCATCTATTGCGTGGTGGGCGAGCCATGAGGACCCGCGGCTACACTTACGCCACC CTGCTGCCCGCCACCTACAACCTCCATGATCAATCCCATCATCTATGCCTTCGCAACCAG GAGATCCAGCGCGCCCTGTGGCTCCTGCTCTGTGGCTGTTCCAGTCCAAAGTGCCTTT CGTTCCAGGTCTCCAGCGAGGTCTGAAGGGCTCGCCCGTGTCTCTCACCAACACCAC ACCCCAACAAGCCAGCCTTTGGTAAGCTCGGTGCCTGCTGACGAAGTCTGAGATCCCAAT GGTGTGAGTCTGACTTTGGAAAGAAAAAGGACTAAAGAGAAATGTAACAACTTACAAG GACAAAGAGGCTTGTGGCACTTACATATACAGTGTATACATGTGTACATATATATA AATATTTGTATCTTCTGGAGGTGTTCAAGATGTGGAGCTTCTGTTCTGTGAAAAACCA GAAAAAGATATGTTGTATACTCAAATTGTACATCACGTTTGTCAAACGAAGACATTCCA ATACTGCTTAATTATAGCACTTTATTTTTAGCTGCTGAACTGCCAAAACAGTGTGCCAT TTTCAAGGGCAGGAAAAAGGAGTAAAAGGTGATTTTTGTGCGTATGTGATAGAATATT TGCTGCACATGCATCAACAAATTACAACATGTTTTGTACACGAATAAACCCATTACAAGA ATGTAIAAAAAAAAAAAAAAAAAAGAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_005284
Insert Size:	1700 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005284.2.
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_005284.2](#), [NP_005275.1](#)

RefSeq Size: 1667 bp

RefSeq ORF: 1089 bp

Locus ID: 2830

UniProt ID: [P46095](#)

Cytogenetics: 6q21

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: Orphan receptor with constitutive G(s) signaling activity that activate cyclic AMP. Promotes neurite outgrowth and blocks myelin inhibition in neurons (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks a portion of the 5' UTR and 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.