

Product datasheet for **SC106185**

GPSM1 (BC017353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPSM1 (BC017353) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPSM1
Synonyms:	DKFZP727I051
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC017353, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCGTCCCTGCCTAGAGCTGGCGCTGGAGGGCGAGCGTCTGTGCAAGGCGGGCGACTTCAAGACAG
CGGTGGCCTTCTTTGAGGCTGCTGTGCAGGTGGGCACCGAGGACCTGAAGACACTGAGTGCCATCTACAG
CCAGCTGGGCAACGCCTACTTCTACCTGAAGGAGCACGGCCGGGCGCTGGAATACCACAAGCATGACCTC
CTGCTGGCGCGGACCATCGGTGACCGCATGGGGGAGGCCAAGGCCAGTGGAAACCTGGGAAACACTCA
AGGTCTGGGGCGCTTCGACGAGGCTGCCGTCTGCTGCCAGCGGCATCTGAGCATCGCCCAAGAGCAGGG
AGACAAGTTGGGGAGGCGAGGGCCCTACAACATCGGGAACGTGTACCAGCCAAAGGCAAGCAACTG
TCCTGGAACGCCCAAACGCCACGCAGGACCCCGGGCACCTGCCGCCGATGTCCGAGAGACCCTGTGCA
AGGCCTCCGAGTTCTACGAGAGGAACCTGTCCCTGGTGAAGGAGCTGGGGGACCGTGCAGGCGCAGGGCAG
GGCCTACGGCAACCTGGGCAACCCCACTATTTGTTGGGGAACCTCACAGAGGCCACGACCTTCCACAAG
GAGCGCCTGGCCATTGCTAAGGAGTTTGGAGACAAGGCAGCCGAGAGGAGGGCCTACAGCAACCTGGGGA
ACGCCCACGTCTTCTGGGGCGCTTTGACGTGGCCGCGAGTACTACAAGAAGACGCTGCAACTGTCTCG
GCAGCTCAGGGACCAGGCAGTGGAGGCGCAGGCCCTGCTACAGTCTGGGCAACACCTACACGCTGTGCA
GACTACGAGCGCGCGCCGAGTACCACCTGCGGCACCTGCTCATTGCCAGGAGCTGGCCGACAGAGTGG
GCGAGGGCCGGGCGTGTGGAGCCTGGGAAATGCCTACGTGTCCATGGGGCGCCAGCGCAGGCCCTGAC
CTTCGCCAAGAAGCACCTGCAGATCTCCAGGAGATCGGGGACCGCCATGGGGAGCTCACGGCCCGCATG
AACGTGGCGCAGCTGCAGCTGGTGTCTCGGCCGCTGACCAGCCCGCAGCCTCAGAGAAGCCTGACCTGG
CCGGCTATGAGGCCAGGTTGAGTTCCAGGTTGTGGGGGGTCTTGCTCCCCACAGGCACGGACCGCAT
CAGGAGCTGCGGAGGGTGGGATCGAGGCCAGGCCAGCATGGCGGAGGTGGCAGCCGCCAGAAAATGGCG
CCTACAAGCCAGTTCTTCTTGGCCTCAGGGACAGCACAGGCCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for BC017353 unedited
 TTTCCCGCCCGTTGNCGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC
 AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
 AATTCCGGCAGGAGGCAGCAGGGCGGACAGCAGGGAGGACAGCAGGGCGGGCAGGGGGCGG
 ACGGCCACGGCGCGGGGGCGCTCCCGGCTCCCGCTCCCGCTCCCGGACCCATGGCGGG
 CCCGGCCCCCGCCGCGGGCCGACGAGCTCCCGGGCCCGCCAGGCGCCTCTACTCCAG
 GATGGAGGCGTCTGCCTAGAGCTGGCGCTGGAGGGCGAGCGTCTGTGCAAGCGGGCGA
 CTTCAAGACAGGCGTGGCCTTCTTTGAGGCTGCTGTGCAGGTGGGCACCGAGGACCTGAA
 GACACTGAGTGCCATCTACGGCCAGCTGGGCAACGCCTACTTCTACCTGAAGGAGCACGG
 CCGGGCGTGAAATACCAAGCATGACCTCCTGCTGGCGCGGACCATCGGTGACCCGAT
 GGGGGAGGCCAAGGCCAGTGAAACCTGGGAAACACACTCAAGGTCTGGGGCGTTCGA
 CGAGGCTGCCGTCTGCTGTGACGGCATCTTGACATCGCCCAAGAGCAGGGAGACAAGGT
 TGGGGAGGCGAGGGCCCTCTACAACATGGGGAACGTGTCCACGCCAAGGGCAGCAACTG
 GCCTGGAACGCCAAACGCCCGCAGACCCTGGCACCTCCGCCGAGTCCAAAACCTT
 GTGCAGGCTCCAGTTTACCAGAGGACCTGTCCCTGTGAAGGCACTGGCCACCGTCGCGC
 CAGGTAGGCCATGGCACCTGGCACACCCTTTTGTGGGACTCCAAGCCTCACCTCCA
 GGCCCTGCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for BC017353 unedited
 TCTANNGATCGATTTTTTTTTTTTTTTTTATAAAAACATTTAATTATTAATAAAGAT
 AAGAAAAAGAACTCCGGCAGCCAGCACCATCCAAGCCTGGTGTCCAGCCTGGTC
 CTTAGCAGGCTGGGGGCACCAGGTACGTTCTGGGAGGCAGGCATCCCTTCTCGGGGGC
 TGGCAAACCTCAAGACCTTTGGGAGTGGGGACACATGGGTGGGGCAGCTGCTCCCCCAA
 GCCTGCCCTCACCCACCTGCCAGCCACCTCAGGAAGTCGGCCAACTGGCACCCCC
 CCTGGCACCTATTAGTCTTTTCGCTTTCAGGGGACGTTCTGTCTGTCTGCAGCACT
 GCTGACCGGCATGGGACGACCAGCGGTCCATGAATGAGGTACCACGGTGGCCTCGCATG
 GCCTTGGGCTTGCCTGATTACTGCCCCAGGCACATAGGGTCCCACAGCCAGCCAGC
 CCAGCCAGCCCTCTGGCTGATGCCCTCTCGCCTCCCAGCAGCCCTCTCTACTTGGGT
 TGAGGACAGAAACCTCCCTGCACCGAGGGCTCCCAGGGGAAGTGGGGTGAAGCCCTT
 TAACAACCACTGGGGCAAAAAGGGAACACCTCCTGTTCTTTATTACAGCAACCTGGAGGG
 CCCCTTCTGATTCCGGTGGGAAAGGGTTAAGGTGAACCCCAAGCCGGGCTGTCCCCTG
 GGCTAATAACCGCCAAGTCAAGTTTTTTAAGGTTTCCGGTTGGTCATGGCGGGCGAA
 AACCAACTTTGAGGTGGGCCCTTTAATGTGTGGCCCGAGGCTTCCCATGGGG

Restriction Sites:

NotI-NotI

ACCN:

BC017353

Insert Size:

2200 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:

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: [BC017353.1](#), [AAH17353.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1305 bp

Locus ID: 26086

Cytogenetics: 9q34.3

Domains: TPR

Gene Summary: G-protein signaling modulators (GPSMs) play diverse functional roles through their interaction with G-protein subunits. This gene encodes a receptor-independent activator of G protein signaling, which is one of several factors that influence the basal activity of G-protein signaling systems. The protein contains seven tetratricopeptide repeats in its N-terminal half and four G-protein regulatory (GPR) motifs in its C-terminal half. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]