

Product datasheet for **SC125707**

General Receptor for phosphoinositides 1 (GRASP) (NM_181711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	General Receptor for phosphoinositides 1 (GRASP) (NM_181711) Human Untagged Clone
Tag:	Tag Free
Symbol:	General Receptor for phosphoinositides 1
Synonyms:	GRASP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_181711 edited
 CCAGCCCCGCGAGGGGAGCCAGCGCCGTCTCTGAGGGCGTCCGGCGCCGGAGCCATGA
 CCCTCCGCGACTCAGGAAGCTGCAGCAGAAGGAGGAGGCGGGCCACCCCGACCCCG
 CCGCCCGACTCCCGACTCGGAAGTTCGCGCCCGCCGCTCCGGTCCCGACCCCGGGACCC
 CTGCCGACGCCACCCTGGGCCCCAGCGGACGAGCTGTACGCGCGCTGGAGGACT
 ATCACCCTGCGGAGCTGTACCGCGCGCTCGCCGTGTCCGGGGCACCCCTGCCCGCCGAA
 AGGGCTCAGGATTCGCTGGAAGAATCTCAGCCAGAGTCTGAACAGCAGCGGAAAGTGC
 TGACGTTGGAGAAGGAGATAACCAGACCTTCGGCTTTGAGATCCAGACTTATGGCTTC
 ACCACCGGAGGAGCAGCGTGTGAAATGGTGACCTTTGTCTGCCGAGTTCATGAGTCTA
 GCCCTGCCAGCTGGCTGGGCTCACACCAGGGACACCATCGCCAGCGTCAATGGCTGA
 ATGTGGAAGGCATCCGGCATCGAGAGATTGTGGACATCATTAAAGCGTCAGGCAATGTT
 TCAGACTGGAACCTATATGGGACATCAATTCGGAAGGCAGAACTGGAGGCTCGTCTGC
 AGTACCTGAAGCAAACCTGTATGAGAAGTGGGAGAGTACAGGTCCTAATGGTGCAGG
 AGCAGCGGCTGGTGCATGGCTGGTGGTGAAGGACCCAGCATCTACGACAGCTGGAGT
 CGGTGCGCTCCTGCTCTACGGCGGGGCTGCTCCCGGGCTCGTGGCCTTCGGGCCTC
 TGCTCGCGTGCCTGGGGTCCCGCGGAGGCGCCGACGGGCCAGGGGGACGCGCGACG
 ACGCCGTCTACCACAGTGTCTTTCGGGGACTCCGAGCCGCGCGCTGCCGCCCCCGC
 CGCCCCGGCCCGCGCTTCGGCCCGGGCCCGCCGAGACCCCTGCCGTGGGGCCGGGCC
 CTGGGCCGCGGGCCGCGCTGAGCCGACGCGCCAGTGTGCGGTGCGCGGGCCCTGGCGGG
 GCGGAGGCGGGGGCGGCCGGGCGCGCTCTGGACTGAGGCTCGCAGCAGGCCCTATGCG
 GCCCGGCTGCGCAAAACCAAGTACCGCAGCTTCGCGGGCGGCTGCTCAAGTTCATCC
 CCGGACTCAACCGCTCCCTGGAGGAGGAGAGCCAGCTGTAGGGGCGGGGGCGGGCAG
 GGAGGTATTTATTTATTTATTCGCAACAGCCAGCGCTAAAAGAGGGGGAGGCCGAGCCAA
 GAGGACCCAGGAGCCAGAGCAGCGGGAGAGGGTCTTCTAGCCTCGGCCCGCGGGT
 CGGTTCTGGCTGGTGTCTGCTGAGGGAGTGGGGGCCAGCCCTTCTTCTCCCCCG
 CCAAACACAGTGGGAGCTGGGGCAGGGGAGAGCCAGGCAATCGGGGGCAAAGATGGG
 GGTGCTCGCTACAGTCTGCATCTGTAGTGCCTTGTGGGGTATCCAGGAACACCTCCCA
 GCAGGGGATGGGAACCTGTCCCATGAAGCCCTCTCCTCAGTCTTACTTGTCCCCCGC
 CTTAGCCTTGGGAGAAATGGCCCGTGGTGGGCTGACCCCCACCCTCCACACACAGT
 TCCATGACCCAGCGGGCCCCAGGGGCATCAGGTGCTGGTCTCCTCCTCCTGGCCTCG
 ACCCTAAGGGCTTCGCCCTCCAGGGGCTGTAACCTAAGTCGGTCTGCCAGGCAGG
 GGGCTGTGTTCTGTGCCCTTGGGAGACAGAACTGGCGAGTTCAGGTGGGGTGGGGAC
 AGCACAGACTGTTCCACGTTGTGCATATTGTTGCTTCTGAACCACAACTGTATAAATG
 GATGGTTTTTTGACAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_181711 unedited
 CCGCGCAATCACATCTGGTACCGTCCGTTTTCCGGGATATCGTCGACCCACGCGTCC
 GCCAGCCCCCGAGGGAGCCAGCGCGTCTCTGAGGGCGTCCGGCGCCGAGCCATG
 ACCCTCCGCGACTCAGGAAGCTGCAGCAGAAGGAGGAGCGGGCCACCCCGACCCCG
 GTTTCTCGGACTCCCGACTCGGAAGTTCGCGCCCGCCGCTCCGGTCCCGACCCCGGACCC
 CCTGCCGACGCCACCCTGGGCCCCAGCGGACGAGCTGTACGCGCGCTGGAGGAC
 TATCACCTGCCGAGCTGTACCGCGCGCTCGCCGTGTCCGGGGCACCCCTGCCCGCCGA
 AAGGGCTCAGGATTCGCTGGAAGAATCTCAGCCAGAGTCTGAACAGCAGCGGAAAGTG
 CTGACGTTGGAGAAGGAGATAACCAGACCTTCGGCTTTGAGATCCAGACTTATGGCCTT
 CACCACCGGAGGAGCAGCGTGTGAAATGGTGACCTTTGTCTGCCGAGTTCATGAGTCT
 AGCCCTGCCAGCTGGCTGGGCTCACACCAGGGGACACCATCGCCAGCGTCAATGGCCTG
 AATGTGGAAGGCATCCCGCATCGAGAGATTGGGGACATCATTAAAGCCGTCCGGGATGTT
 CTCAGACTGGGAACTTATATGGGACATCAATTCGGAAGGCAGAACTGGAGGCTGTCTG
 CCATACCTGAACCAACCCGATGAAAAATGGCGAGAGTACAAGTCCCTAATGGTGCCAG
 GACCAACCGGCTGGTGCATGGCTGGGTGGCGAAAGGACCCCCCTTTTACAACCCGTT
 GGAAGTCGGTGGGCTTCTGTCTTTACGGGGCGGGCTGTGCACGGGGCTTATGGCC
 TTCTCGGCCCTATTATA

Restriction Sites:	Please inquire
ACCN:	NM_181711
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_181711.1 , NP_859062.1
RefSeq Size:	1952 bp
RefSeq ORF:	1188 bp
Locus ID:	160622
UniProt ID:	Q7Z6J2
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a protein that functions as a molecular scaffold, linking receptors, including group 1 metabotropic glutamate receptors, to neuronal proteins. The encoded protein contains conserved domains, including a leucine zipper sequence, PDZ domain and a C-terminal PDZ-binding motif. Alternately spliced transcript variants have been observed for this gene.[provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>