

Product datasheet for SC114919

GPRASP1 (NM_014710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRASP1 (NM_014710) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPRASP1
Synonyms:	GASP; GASP-1; GASP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114919 sequence for NM_014710 edited (data generated by NextGen Sequencing)

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ATGACTGGGGCAGAGATTGAGTCTGGTGCCAGGTCAAGCCTGAAAAGAAGCCTGGGGAA
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GGCAAAACAGACAATCAAATGACCCTGAAGGGGACCAAGAAAATTAG

Clone variation with respect to NM_014710.4
2126 g=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014710 unedited GTATTTTGAATACGACTCACTATTAGGGCGGCCGCAATTCGCACGAGGGCCGATGACC TGGGCTCTGGGCCTCTGAAGCCTGGCAACGAGGAGACGATCCGTTTCGGAGCCGGGCGCTA GAGAGAGGTCTGGCGTATTCTGACAGGACACAGTGAGCATCTGTAGAGGAGAGGCTTGAA ATAAAGGAGGAGCACGAATATCCCTGGATTTCTGGAGGCCTGCTTAAGGCTGGCCAGT TCTGCAAGAAAGCAAGGAGGAGGAGACTGGCTCACACCTCTGGAGGACCCCTTCTGTC AGCTGTGGGGCTTGACACTACTTGAACAAGAAAAGGAGGGGAAACTGCACCACATAAGT GAAGATCCACCTCCAGTGGCTGCTCTGCTGGTGGTGGGGTTGCTGCTGACAACCACCTC AACGGGTCTGCACCCATCCAGGAAATCTCTGTCTTCTCAAGCTTGGTTGTGCCTGTTCT ACACTCTATCTGTATTATTGAATTAAGTACTGACTGAGACTGTGTTTGGGAAGGAGGCTGAGTG ACTACTGGACTGGATATTGACTCTAACTCTTGTTCCTCAAGCTTATATCCTCAATCACCTA AAGATCAGAGTGTGAAGAAACAACTGTGACAGATCTGTGGTTGAGGTTTAGACTGNGG GAGGAGTATAGTACTGGACTTTCTTTGTAACCTGTACCATGACTGGGCAGAGATTGAGT CTGGTGCCAGGTCAAGCCTGAAAAGAAGCCTGGGGAAGAGGTTGTAGGTGGGGCTGAGA TAGAGATGATGTCCCTCTGGTGGTCCAGCCCAAGGNTAGACCCAGCCAGATATGCCTG GNGCAGGCCANGATAGTCCAGTTATGCCTGNAGCAGCACCAAGTTGAGACAGTGCAGT GGTGGTGCACGCCCTAGNATANGCCAAGCCATACCTGTTACCGATTAGGAGAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_014710
Insert Size:	5880 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:	<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:	<u>NM_014710.1</u> , <u>NP_055525.1</u>
RefSeq Size:	5190 bp
RefSeq ORF:	4188 bp
Locus ID:	9737
UniProt ID:	<u>Q5JY77</u>
Cytogenetics:	Xq22.1
Domains:	DUF634
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of the GPRASP (G protein-coupled receptor associated sorting protein) family. The protein may modulate lysosomal sorting and functional down-regulation of a variety of G-protein coupled receptors. It targets receptors for degradation in lysosomes. The receptors interacting with this sorting protein include D2 dopamine receptor (DRD2), delta opioid receptor (OPRD1), beta-2 adrenergic receptor (ADRB2), D4 dopamine receptor (DRD4) and cannabinoid 1 receptor (CB1R). Multiple alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, May 2010]
Transcript Variant: This variant (1) represents a dominant transcript. Variants 1-4 encode the same protein.