

Product datasheet for **SC125892**

GGPS1 (BC032569) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GGPS1 (BC032569) Human Untagged Clone
Tag: Tag Free
Symbol: GGPS1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene sequence for BC032569 edited

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CTTGGAACAGATCTTAATCACTCATTTTCATCAATATCTAGTATACAGGAAACTGGGGA
ATGGGGGGCGGAGTGAGCGGTGAACACACTGAACAGAATCTGAGATTTAATAAGCCAAAT
CAACAATGTGGGAAGTTCGTTTTGTTTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCTGTCACC
CAGGCTGCAGTGAATGGCACGATCTCGGCTCACTGCAAGCTCCGCCTCTCAGGTTACAG
CCATTCTCCTGCCTCAGCCTTCCCAGTAGCTGGGACTACAGGCGCCGCCACCATGCCCG
GCTAATTTTTTGTATTTTTAGTAGAGACGGGGTTTACCCTGGTCTCGATCTCCTGACCT
CGTGATCCGTCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACTGCGCC
CAGCACAATGTGGGAAGCTAATGGACAAGCAGTTAGCAATGTTACATAAATATTAAGA
AGTAAGCAGTACGTATAGGTTAATAAACTCAAAGACACACCTACTAAACATCAAATATAT
TTTGATGCTGATAGCAATCTGTCTTAATAAGCAGCAGTTGATACAATTCAGTACTGTA
TATAAAACATTTATAATTTTGTACACATACAATTTTTATTTTGTATGTTAATCTTATAGT
TACGAAACGGTCTTTAAATTTTAGAAATGCAATCTGAAGACTTTATGCCTTTAACGAAAT
ATCTGATTATAAATCCACATGGGACAGATGAAACAAGAACAACCATGAATTGCTTGATA
GTTTATGCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC032569 unedited
CGGGATCTTGAACAGATCTTAATCACTCATTTTCATCAATATCTAGTATACAGGAAATAC
TGGGGAATGGGGGGCGGAGTGAGCGGTGAACACACTGAACAGAATCTGAGATTTAATAAG
CCAAATCAACAATGTGGGAAGTTCGTTTTGTTTTTTTTTTTTTTTGGAGACGGAGTCTCGCTCT
GTCACCCAGGCTGCAGTGAATGGCACGATCTCGGCTCACTGCAAGCTCCGCCTCTCAGG
TTCACGCCATTCTCCTGCCTCAGCCTTCCCAGTAGCTGGGACTACAGGCGCCGCCACCA
TGCCCGGCTAATTTTTTGTATTTTTAGTAGAGACGGGGTTTACCCTGGTCTCGATCTCC
TGACCTCGTGATCCGTCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCATGAGCCAC
TGCGCCCAGCACAATGTGGGAAGCTAATGGACAAGCAGTTAGCAATGTTACATAAATAT
TAAAGAAGTAAGCAGTACGTATAGGTTAATAAACTCAAAGACACACCTACTAAACATCAA
ATATATTTTGTATGCTGATAGCAATCTGTCTTAATAAGCAGCAGTTGATACAATTCAGT
ACTGTATATAAAACATTTATAATTTTGTACACATACAATTTTTATTTTGTATGTTAATCT
TATAGTTACGAAACGGTCTTTAATTTTAGAAATGCATCTGAA
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Restriction Sites:	Please inquire
ACCN:	BC032569
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:	BC032569.1
RefSeq Size:	834 bp
Locus ID:	9453
Cytogenetics:	1q42.3
Protein Pathways:	Metabolic pathways, Terpenoid backbone biosynthesis
Gene Summary:	This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene. [provided by RefSeq, Sep 2010]