

Product datasheet for **SC308641**

CSN1 (GPS1) (NM_212492) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSN1 (GPS1) (NM_212492) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPS1
Synonyms:	COPS1; CSN1; SGN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC308641 representing NM_212492.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGGGATAGCTCGGCCCCAGCTCGGCCTCCTCGTCAGTGACAGATCTGTACTGCACCCCTCACAGC
AGTAGGTCAGACCTCGTCTGCCGGCACGGCCGGGACTTCAGCCTGAGCGCCAGCCTGTCCGCCTGT
ACGCTGCTCTACGAGGGGCGGTGGAGCCATGCAGATCGACGTGGACCCCAAGAACCCGCAGAAAT
GCACCTGACGTCAACTACGTGGTGGAGAACCCAGCCTGGATCTGGAACAGTACGCGGCCAGCTACAGC
GGCCTGATGCGCATCGAACGGCTGCAGTTCATTGCTGATCACTGCCCCACGCTGCGGGTGGAGGCCCTG
AAGATGGCCCTCTCCTTCGTGCAGAGAACCTTTAACGTGGACATGTACGAGGAGATCCACCGAAGCTC
TCAGAGGCCACCGAGGAGCTGCAGAACGCACCCGACGCCATCCCTGAGAGCGGCTGGAGCCCCAGCC
CTGGACACGGCCTGGTGGAGGCCACGCGAAGAAGGCGTGTGAAGCTGGAGAAGCTGGACACAGAC
CTGAAGAACAACAAGGCAACTCCATCAAAGAGAGCATCCGGCGGCCACGACGACCTGGGCGACCAC
TACCTGGACTGTGGGACCTCAGCAACGCCCTCAAGTGTATTCCGGGGCCGGGACTACTGCACCAGC
GCCAAACAGTCAACAATGTGCCTCAATGTCATCAAGGTGACGCTCTACTTGCAGAATTGGTCTCAT
GTGCTCAGCTACGTGAGCAAGGCTGAGTCCACCCAGAGATTGCCGAGCAGCGAGGAGAGCGTGACAGC
CAGACCCAGGCCATCCTCACCAAGCTCAAGTGTGCCGAGGCTTGGCAGAGCTGGCCGCCAGGAAGTAC
AAGCAGGCTGCCAAGTGCCTCCTGCTGGCTTCCTTTGATCACTGTGACTTCCCTGAGCTGCTGTCCCC
AGCAACGTGGCCATCTACGGTGGCTGTGCGCCTTGCTACCTTTGACCGGCAGGAGCTGCAGCGCAAT
GTCATCTCCAGCAGCTCCTTCAAGTTGTTCTTGGAGCTGGAGCCACAGGTCGAGACATCATCTTCAA
TTCTACGAGTCCAAGTACGCCTCATGTCTCAAGATGCTGGACGAGATGAAGGACAACCTGCTCCTGGAC
ATGTATCTGGCCCCCATGTGAGGACCTGTACACCCAGATTGCAACCGTGCCTCATCCAGTATTTC
AGCCCCCTACGTGTGACGGACATGCATAGGATGGCGGCAGCCTTCAATACCACGGTGGCCGCCCTGGAG
GACGAGCTGACGAGCTAATCCTGGAGGGCTGATCAGTGCCCGTGTGGACTCACACAGCAAGATCCTA
TACGCCGGGACGTGGATCAGCGCAGCACCTTTGAGAAGTCTCTGTTGATGGCAAGGAGTTCCAG
CGCCGCGCAAGGCCATGATGCTGCGGGCAGCTGTGCTCCGCAACCAGATCCATGTCAAGTCCCCGCC
AGAGAAGGGAGCCAGGGGAGCTGACTCCAGCCAAACAGCCAGTCCCGGATGAGCACCAACATGTA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_212492
- Insert Size:** 1584 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_212492.2](#)

RefSeq Size: 2385 bp

RefSeq ORF: 1584 bp

Locus ID: 2873

UniProt ID: [Q13098](#)

Cytogenetics: 17q25.3

Protein Families: Druggable Genome

MW: 59.1 kDa

Gene Summary: This gene is known to suppress G-protein and mitogen-activated signal transduction in mammalian cells. The encoded protein shares significant similarity with Arabidopsis FUS6, which is a regulator of light-mediated signal transduction in plant cells. [provided by RefSeq, Mar 2016]