

Product datasheet for **SC308625**

GRASP1 (GRIPAP1) (NM_207672) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRASP1 (GRIPAP1) (NM_207672) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRASP1
Synonyms:	GRASP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC308625 representing NM_207672.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGCAAGCTCTGTCTGAGGAGGAGTTTCAGCGGATGCAGGCTCAGCTCCTGGAACCCGGACAAC
AACTACCAGCTTTCAGATGAACACGCAAGAATGGTGTGAACCTACCAGTCTTCGACAGAAGTCGCC
TACTTGGATAAGGAGTTCAGCAAAGCTCAGAAGGCACTGAGCAAGAGCAAGAAAGCTCAGGAAGTCGAG
GTATTGCTGAGTAAAAATGAGATGCTGCAGGCAAAGCTGCACAGCCAGGAGGAGACTTCCGTTTGCAG
AACAGCACACTAATGGCCGAGTTCAGCAAGGAACGCTATGGGAAAGAAGCCGGGAAGTTCTCAGCTGTC
AGTGAGGGCCAGGGGATCCCCAGGGGCCCGCCCCACCGTCTGGCCCCATGCCGTTGCCAGAG
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AGCTCAAAGCAGGCCGAAACATCCAGGCTGCAGGAGGAACCTGCTAAGCTCTCCGAGAACTGAAAAAG
AAACAAGAAAGTTTTTGGCGTCTGCAGACAGAAAAGGAGACTCTGTTAATGACAGCAGGAACAAGATT
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GAACTTGAGGCTGCCAATCAGAGCTTGGCAGAGCTGAGAGATCAGCGGCAGGGGGAGCGCCTGGAACAT
GCAGCAGCTTTCGGGGCCCTACAAGATCAGGTATCCATCCAGAGTGCAGATGCACAGGAACAAGTGAA
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GCTCGGAAGAGTCCGGAGAAGCGGAAGGCCATGCTGGATGAGCTAGCAATGGAAACGCTGCAAGAGAAG
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CGCTATGAGCGTGAGCTCCGAGAGCTGCATGAAGACAAGAAGCGTCAGGAGGAGGAGCTCCGTGGGCAG
ATCCGGGAGGAGAAGGCCGGACACGGGAGCTGGAGACTCTCCAGCAGACAGTGGAAAGAAGTTCAAGCT
CAGGTACATTCATGGATGGAGCCAAGGGCTGGTTTGAACGGCGCTTGAAGGAAGCCGAGGGCAAGGAG
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ATTAGCAGCCTGAAGCAGGAGGTGAAGGACACAGTGGATGGGCAGAGGATCCTGGAGAAGAAGGGCAGT
GCTGCGCTCAAGGACCTCAAGCGGCAGCTGCATTTGGAGCGGAAACGGGCAGATAAGCTGCAGGAGCGA
CTGCAGGACATCCTCACTAACAGCAAGAGCCGCTCAGGCCTTGAGGAGCTGGTTCTCTCAGAGATGAAC
TCACCAAGCCGGACCCAGACAGGGGACAGCAGTAGCATCTCTCTTCCAGTACCGGGAGATCTTGGCGG
GAAAAGGAGAGCTCGGCTGTTCCAGCCAGGTAAGGGGAAAGGAAGAACCTACAGCTCCAGCTTCTCTC
AACCCAAAAATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_207672

Insert Size: 1878 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_207672.1](#)

RefSeq Size: 3260 bp

RefSeq ORF: 1878 bp

Locus ID: 56850

Cytogenetics: Xp11.23

Protein Families: Druggable Genome

MW: 71.9 kDa

Gene Summary: This gene encodes a guanine nucleotide exchange factor for the Ras family of small G proteins (RasGEF). The encoded protein interacts in a complex with glutamate receptor interacting protein 1 (GRIP1) and plays a role in the regulation of AMPA receptor function. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (2) lacks an alternate in-frame coding region segment and uses a different splice site in the 3' coding region, compared to variant 1. The reading frame is changed, such that the resulting protein (isoform 2) has a shorter and distinct C-terminus when compared to isoform 1.