OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC308506

RGS9BP (NM_207391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RGS9BP
Synonyms:	PERRS; R9AP; RGS9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308506 representing NM_207391. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGAGGGAGGAGTGCAAGGCGCTGCTGGACGGGCTCAACAAGACGACTGCGTGCTACCACCACCTG GTGCTGACCGTCGGTGGCTCGGCGGACTCGCAGAACCTGCGGCAGGAGCTGCAAAAGACGCGCCAGAAG GCGCAGGAGCTGGCGGTGTCCACCTGCGCCCGGCTGACTGCTGTGCTGCGCGACCGGGGCCTGGCCGCC GACGAGCGCGCCGAGTTCGAGCGGCTCTGGGTGGCCTTCTCGGGCTGCCTGGACCTGCTGGAAGCGGAC ATGCGACGCGCGCTGGAGCTGGGCGCCGCGTTCCCGCTGCACGCGCCGCGGCGGCCGCTGGTGCGCACA GGTGTGGCTGGCGCCTCCTCCGGCGTGGCGGCGCGCGCGCTGAGCACCCGCAGCCTGCGGCTCGAGGCG GAGGGCGACTTCGACGTCGCGGACCTGCGGGAGCTGGAGCGCGAGGTCCTTCAGGTGGGCGAGATGATC GACAACATGGAGATGAAGGTCAACGTGCCCCGCTGGACCGTGCAAGCCCGGCAGGCGGCGGGCGCCGAG CTCCTGTCCACGGTCAGCGCCGGCCCCTCCTCGGTCGTGTCCTTGCAGGAGCGCGGGGGGGGTTGCGAC CCCAGGAAGGCCCTGGCCGCCATCCTTTTCGGCGCCGTGCTGCTGGCGGCTGTGGCCCTAGCCGTGTGC GTGGCGAAGCTGAGCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_207391
Insert Size:	708 bp

View online »

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_207391.2
RefSeq Size:	2894 bp
RefSeq ORF:	708 bp
Locus ID:	388531
UniProt ID:	Q6ZS82
Cytogenetics:	19q13.11
Protein Families:	Transmembrane
MW:	25.1 kDa
Gene Summary:	The protein encoded by this gene functions as a regulator of G protein-coupled receptor signaling in phototransduction. Studies in bovine and mouse show that this gene is expressed only in the retina, and is localized in the rod outer segment membranes. This protein is associated with a heterotetrameric complex, specifically interacting with the regulator of G-protein signaling 9, and appears to function as the membrane anchor for the other largely soluble interacting partners. Mutations in this gene are associated with prolonged electroretinal response suppression (PERRS), also known as bradyopsia. [provided by RefSeq, Mar 2010]