

## Product datasheet for **RG219183**

### **PAG (PAG1) (NM\_018440) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAG (PAG1) (NM_018440) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAG
Synonyms:	CBP; PAG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219183 representing NM_018440 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCCCGGGGAGCCTGCTGGGCAGCGGACAGATGCAGATCACCCCTGTGGGAAAGTCTGGCTGCTG  
TCGCCATTTTCTCGTCATCACCTTCTCATCTTCTGTGCTCTAGTTGTGACAGGAAAAGAAGCCGCG  
ACAGCATAGTGGGACCATGAGAACCTGATGAACGTGCCTTCAGACAAGGAGATGTTAGCCGTTGAGTT  
ACTAGCCTGGCAACAGATGCTCCTGCCAGCAGTGAAGCAGAAATGGGGCACTACCAATGGGACATCTTT  
CAGAGGACAGTACTCTGACCTGCATGCAGCATTACGAGGAAGTCCAGACATCGGCCTCGGATCTGCTGGA  
TTCCCAGGACAGCACAGGAAACCAAAATGTCATCAGAGTCGGGAGCTGCCCAGAATCCCTCCCGAGAGC  
GCAGTGGATACCATGCTCACGGCGAGAAGTGTGGACGGGACAGGGGCTGGGGATGGAAGGGCCCTATG  
AAGTGCTCAAGGACAGCTCCTCCAAGAAAACATGGTGGAGGACTGCTTGTATGAAACTGTGAAAGAGAT  
CAAGGAGGTGGCTGCAGCTGCACACCTGGAGAAAGGCCACAGTGGCAAGGCAAAATCTACTTCTGCCTCG  
AAAGAGCTCCAGGGCCCGAGCTGAAGGCAAAGCTGAGTTTGTGAATATGCCTCGGTGGACAGAAACA  
AAAAATGTCGTCAAAGTGTTAATGTAGAGAGTATCCTTGGAAATTCATGTGATCCAGAAGAGGAGGCCCC  
ACCACCTGTCCCTGTTAAGCTTCTGGACGAGAATGAAAACCTTCAGGAGAAGGAAGGGGAGAGGCGGAA  
GAGAGTCCACAGACACGACAGTGAACCTAACAAAGAGATTTAGCTCATTGTCATACAAGTCTCGGGAAG  
AAGACCCACTCTCACAGAAGAAGAGATCTCAGCTATGTACTCATCAGTAAATAAACCTGGACAGTTAGT  
GAATAAATCGGGCAGTGCCTTACAGTTCGGAGTCCACCTACACCTCCATTCAAGGGGACCCACAGAGG  
TCACCCTCCTCTGTAATGATCTCTATGCTACTGTTAAAGACTTCGAAAAAACTCCTAACAGCAGACTTC  
CACCAGCAGGGAGGCCAGCGAGGAGCCAGAGCCTGATTATGAAGCGATACAGACTCTCAACAGAGAGGA  
AGAAAAGGCCACCCTGGGACCAATGGCCACCACGGTCTCGTCCCAAAGGAGAACGACTACGAGAGCATA  
AGTGACTTGCAGCAAGGCAGAGATATTACCAGGCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219183 representing NM\_018440  
 Red=Cloning site Green=Tags(s)

MGPAGSLLGSGQMQITLWGLAAVAIFFVITFLIFLCSSCDREKKPRQHSQDHNLMNVPSDKEMFSRSV  
 TSLATDAPASSEQNGALTNGDILSEDSTLTCMQHYEEVQTSASDLLDSQDSTGKPKCHQSRELPRIPPES  
 AVDTMLTARSVDGDQGLGMEGPYEVLDKSSSQENMVEDCLYETVKEIKEVAAAAHLEKGHSGKAKSTSAS  
 KELPGPQTEGKAFAEYASVDRNKKCRQSVNVEIILGNSCDPEEEAPPPVPVKLLDENENLQEKEGGAE  
 ESATDTTSETNKRFSLSYKSREEDPTLTEEEISAMYSSVNKPGQLVNKSGQSLVPESTYTSIQGDPQR  
 SPSSCNLDLYATVKDFEKTNPSTLPPAGRPSEEPEPDYEAIQTLNREEEKATLGTNGHGLVPKENDYESI  
 SDLQQGRDITRL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018440

**ORF Size:** 1296 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_018440.4](#)

**RefSeq Size:** 10759 bp

**RefSeq ORF:** 1299 bp

**Locus ID:** 55824

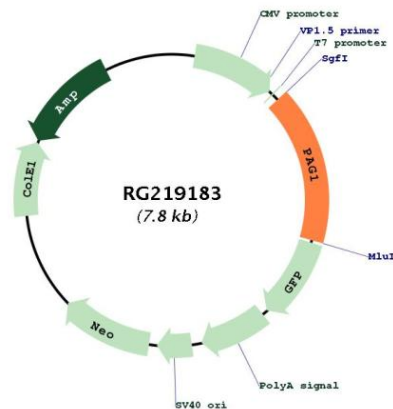
**UniProt ID:** [Q9NWO8](#)

**Cytogenetics:** 8q21.13

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** The protein encoded by this gene is a type III transmembrane adaptor protein that binds to the tyrosine kinase csk protein. It is thought to be involved in the regulation of T cell activation. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG219183