

Product datasheet for **RG202994**

PAAF1 (NM_025155) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAAF1 (NM_025155) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAAF1
Synonyms:	PAAF; Rpn14; WDR71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202994 representing NM_025155 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCCTTTGAGGATTCAGAGCGACTGGGCGCAAGCCCTCAGGAAGGATGAAGGGGAGGCCTGGC
TGAGCTGTCATCCCCAGGAAACCATCTTTGTATGGCAGCCTGACTTGTCAAGGAATTGGCCTAGATGG
CATCCCAGAGGTTACAGCTTCAGAAGGATTTACTGTGAATGAAATAACAAGAAAAGCATTTCATATTTCA
TGTCAAAAGGAAAATGCATCTTCTAAGTTTTGGCACCATACTACTTTTTCCAGAATTCATACAAGA
GTATAACATGCCTGGACATTTCCAGCAGAGGAGGTCTTGGTGTGTCTTCTAGTACTGACGGGACCATGAA
AATCTGGCAGGCTTCCAATGGAGAACTCAGGAGATTTGGAAGGACATGTGTTTGATGTGAATTGTTGC
AGGTTTTTCCCATCAGGCCTTGTGGTCTGAGTGGGGGAATGGATGCCAGCTGAAGATATGGTCAGCTG
AAGATGCTAGCTGCGTGGTGACCTTCAAAGGTCACAAAGGAGGTATCCTGGATACAGCCATCGTTGATCG
GGGGAGGAATGTGGTGTCTGCTTCTCGAGATGGGACAGCAGCACTTTGGGATTGTGGCGCTCAGGCTGC
TTGGGAGTCCTTGCAGATTGTGGTCTTCTATCAATGGAGTGGCGGTGGGTGCTGCTGACAACTCCATAA
ACCTTGGCTCCCCTGAGCAGATGCCAGTGAACGGGAGGTTGGAACAGAGGCCAAAATGCTGCTCTTGGC
CCGGGAAGATAAGAACTTCAGTGCTTGGGACTACAGAGCAGGCAGCTGGTGTTCCTCTTTATTGGCTCA
GACGCTTCAACTGCTGACTTTCTCTGCTTCTTGGCTTCTTGGCTATTGGCTGGGACTCAAGATGGAAACATT
ATCAGCTGGATGTGAGGAGTCCAAGGGCTCCGGTACAAGTCATCCACAGATCAGGAGCACCAGTTCTATC
CCTGCTAAGTGTGAGAGATGGATTCACTGCTAGCCAAGGTGATGGAAGCTGTTTTATTGTCCAGCAAGAC
TTAGACTATGCTACTGAGCTCACTGGGCTGACTGTGACCCTGTGTACAAGGTAGCCACATGGGAGAAGC
AGATCTACACATGCTGTGAGACGGTCTGTACGACGCTACCAGCTTTCTGACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202994 representing NM_025155
 Red=Cloning site Green=Tags(s)

MAAPLRIQSDWAQALRKDEGEAWLSCHPPGKPSLYGSLTCQIGLDGIPEVTASEGFTVNEINKKSIHIS
 CPKENASSKFLAPYTTFSRIHTKSIITCLDISSRGGLVSSSTDGTMKIWQASNGELRRVLEGHVFDVNCC
 RFFPSSLVVLSSGMDAQLKIWSAEDASCVVTFKGHKGGILDTAIVDRGRNVVSASRDGTARLWDCGRSGC
 LGVLADCGSSINGVAVGAADNSINLGSPEQMPSEREVGTEAKMLLLAREDKKLQCLGLQSRQLVFLFIGS
 DAFNCCTFLSGFLLLAGTQDGNLYQLDVRSPRAPVQVIHRSGAPVLSLLSVRDGF IASQGDGSCFIVQQD
 LDYVTELTGADCDPVYKVATWEKQIYTCRRDGLVRRYQLSDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025155

ORF Size: 1176 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_025155.1](#), [NP_079431.1](#)

RefSeq Size: 1585 bp

RefSeq ORF: 1179 bp

Locus ID: 80227

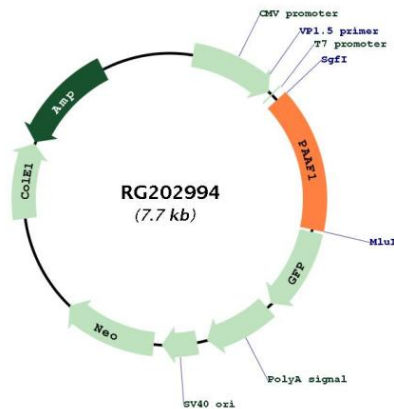
UniProt ID: [Q9BRP4](#)

Cytogenetics: 11q13.4

Domains: WD40

Gene Summary: This gene encodes a WD repeat-containing protein involved in regulation of association of proteasome components. During HIV infection, the encoded protein is thought to promote provirus transcription through recruitment of the 19S regulatory complex. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG202994