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Product datasheet for RG232604

PAAF1 (NM_001267804) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAAF1 (NM_001267804) 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:

>RG232604 representing NM_001267804
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGTGCCATGCTTCTTGTACAGTCTGCAGAACCGGAAACCATCTTTGTATGGCAGCCTGACTTGTC
AAGGAATTGGCCTAGATGGCATCCCAGAGGTTACAGCTTCAGAAGGATTTACTGTGAATGAAATAAACAA
GAAAAGCATTCATATTTCATGTCCAAAGGAAAATGCATCTTCTAAGTTTTTGGCACCATATACTACTTTT
TCCAGAATTCATACAAAGAGTATAACATGCCTGGACATTTCCAGCAGAGGAGGTCTTGGTGTGTCTTCTA
GTACTGACGGGACCATGAAAATCTGGCAGGCTTCCAATGGAGAACTCAGGAGAGTATTGGAAGGACATGT
GTTTGATGTGAATTGTTGCAGGTTTTTCCCATCAGGCCTTGTGGTCCTGAGTGGGGGAATGGATGCCCAG
CTGAAGATATGGTCAGCTGAAGATGCTAGCTGCGTGGTGACCTTCAAAGGTCACAAAGGAGGTATCCTGG
ATACAGCCATCGTTGATCGGGGGAGGAATGTGGTGTCTGCTTCTCGAGATGGGACAGCACGACTTTGGGA
TTGTGGGCGCTCAGCCTGCTTGGGAGTCCTTGCAGATTGTGGTTCTTCTATCAATGGAGTGGCGGTGGGT
GCTGCTGACAACTCCATAAACCTTGGCTCCCCTGAGCAGATGCCCAGTGAACGGGAGGTTGGAACAGAGG
CCAAAATGCTGCTCTTGGCCCGGGAAGATAAGAAACTTCAGTGCTTGGGACTACAGAGCAGGCAGCTGGT
GTTCCTCTTTATTGGCTCAGACGCTTTCAACTGCTGTACTTTTCTCTCTGGCTTCTTGCTATTGGCTGGG
ACTCAAGATGGAAACATTTATCAGCTGGATGTGAGGAGTCCAAGGGCTCCGGTACAAGTCATCCACAGAT
CAGGAGCACCAGTTCTATCCCTGCTAAGTGTCAGAGATGGATTCATTGCTAGCCAAGGTGATGGAAGCTG
TTTTATTGTCCAGCAAGACTTAGACTATGTCACTGAGCTCACTGGGGCTGACTGTGACCCTGTGTACAAG
GTAGCCACATGGGAGAAGCAGATCTACACATGCTGTCGAGACGGTCTTGTACGACGCTACCAGCTTTCTG
ACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

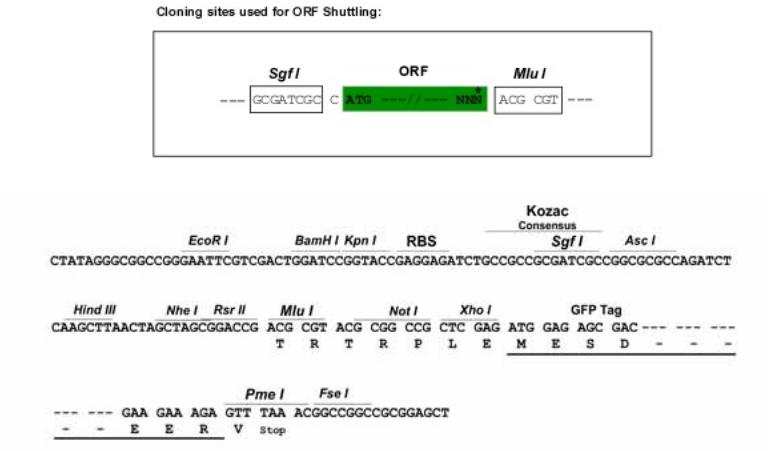
>RG232604 representing NM_001267804
Red=Cloning site Green=Tags(s)

MLVPCFLYSLQNRKPSLYGSLTCQGIGLDGIPEVTASEGFTVNEINKKSIHISCPKENASSKFLAPYTTF
SRIHTKSITCLDISSRGGLGVSSSTDGTMKIWQASNGELRRVLEGHVFDVNCCRFFPSGLVVLSGGMDAQ
LKIWSAEDASCVVTFKGHKGGILDTAIVDRGRNVVSASRDGTARLWDCGRSACLGVLADCGSSINGVAVG
AADNSINLGSPEQMPSEREVGTEAKMLLLAREDKKLQCLGLQSRQLVFLFIGSDAFNCCTFLSGFLLLAG
TQDGNIYQLDVRSPRAPVQVIHRSGAPVLSLLSVRDGFIASQGDGSCFIVQQDLDYVTELTGADCDPVYK
VATWEKQIYTCCRDGLVRRYQLSDL

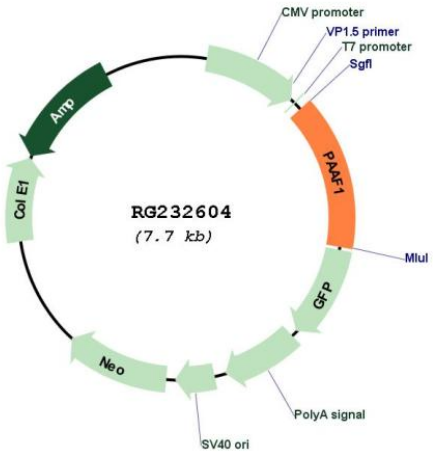
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001267804

ORF Size:	1125 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_001267804.2
RefSeq Size:	1686 bp
RefSeq ORF:	1128 bp
Locus ID:	80227
UniProt ID:	Q9BRP4
Cytogenetics:	11q13.4
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]