

Product datasheet for RC232605

PAAF1 (NM_001267805) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PAAF1 (NM_001267805) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PAAF1
Synonyms: PAAF; Rpn14; WDR71
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232605 representing NM_001267805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGTGCCATGCTTCTTGTACAGTCTGCAGAACCGGAAACCATCTTTGTATGGCAGCCTGACTTGTC
 AAGGAATTGGCCTAGATGGCATCCCAGAGGTTACAGCTTCAGAAGGATTTACTGTGAATGAAATAAACAA
 GAAAAGCATTTCATTTTCATGTCCAAAGGAAAAATGCATCTTCTAAGTTTTGGCACCATACTACTTTT
 TCCAGAATTCATACAAAGAGTATAACATGCCTGGACATTTCCAGCAGAGGAGGTCTTGGTGTCTTCTA
 GTACTGACGGGACCATGAAAATCTGGCAGGCTTCCAATGGAGAACTCAGGAGAGTATTGGAAGGACATGT
 GTTTGATGTGAATTGTTGCAGGTTTTCCCATCAGGCCTTGTGGTCTGAGTGGGGGAATGGATGCCAG
 CTGAAGATATGGTCAGCTGAAGATGCTAGCTGCCTGGTGACCTTCAAAGGTCACAAAGGAGGTATCTGG
 ATACAGCCATCGTTGATCGGGGAGGAATGTTGGTGTCTGCTTCTCGAGATGGGACAGCAGCACTTTGGGA
 TTGTGGGCGCTCAGCCTGCTTGGGAGTCTTGCAGATTGTGGTCTTCTATCAATGGAGTGGCGGTGGGT
 GCTGCTGACAACCCATAAACCTTGGCTCCCCTGAGCAGATGCCAGTGAACGGGAGGTTGGAACAGAGG
 CCAAAATGCTGCTTTGGCCCGGAAGATAAGAAACTTCAGTCTTGGGACTACAGAGCAGGCAGCTGGT
 GTTCTCTTTATTGGCTCAGACGCTTCAACTGCTGTACTTTCTCTCTGGCTTCTTGTATTGGCTGGG
 ACTCAAGATGGAACATTTATCAGCTGGATGTGAGGAGTCCAAGGCTCCGGTACAAGTCATCCACAGAT
 CAGGAGCACCAAGTTCTATCCCTGCTAAGTGTGAGAGATGGATTCATTGCTAGCCAAGGTGATGGAAGCTG
 TTTTATTGTCCAGCAAGACTTAGACTATGTCACTGAGCTCACTGGGGCTGACTGTGACCCTGTGTACAAG
 GTAGCCACATGGGAGAAGCAGATCTACACATGCTGTCGAGACGGTCTTGTACGACGCTACCAGCTTCTG
 ACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232605 representing NM_001267805
 Red=Cloning site Green=Tags(s)

MLVPCFLYSLQNRKPSLYGSLTCQGIQLDGIPEVTASEGFTVNEINKKSIHISCPKENASSKFLAPYTTF
 SRIHTKSITCLDISSRGGLGVSSSTDGTMKIWQASNGELRRVLEGHVFDVNCCRFPPSGLVVLSSGMDAQ
 LKIWSAEDASCVVTFKGHKGGILDTAIVDRGRNVVSASRDGTARLWDCGRSACLGVLADCGSSINGVAVG
 AADNSINLGSPEQMPSEREVGTEAKMLLLAREDKKLQCLGLQSRQLVFLFIGSDAFNCCTFLSGFLLLAG
 TQDGNIIYQLDVRSPRAPVQVIHRSGAPVLSLLSVRDGF IASQGDGSCFIVQQDLDYVTEL TGADCDPVYK
 VATWEKQIYTCCRDGLVRRYQLSDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001267805

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_001267805.2](#)

RefSeq Size: 1682 bp

RefSeq ORF: 1128 bp

Locus ID: 80227

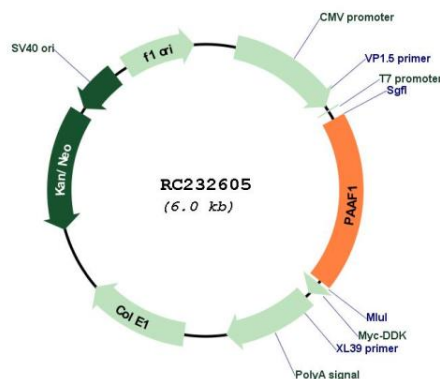
UniProt ID: [Q9BRP4](#)

Cytogenetics: 11q13.4

MW: 40.9 kDa

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 RC232605