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Product datasheet for RG205577

ADAM30 (NM_021794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ADAM30
Synonyms:	svph4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG205577 representing NM_021794
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGTCAGTGCAGATCTTCCTCTCCCAATGCCGTTTGCTCCTTCTACTAGTTCCGACAATGCTCCTTA
AGTCTCTTGGCGAAGATGTAATTTTTCACCCTGAAGGGGAGTTTGACTCGTATGAAGTCACCATTCCTGA
GAAGCTGAGCTTCCGGGGAGAGGTGCAGGGTGTGGTCAGTCCCGTGTCCTACCTACTGCAGTTAAAAGGC
AAGAAGCACGTCCTCCATTTGTGGCCCAAGAGACTTCTGTTGCCCCGACATCTGCGCGTTTTCTCCTTCA
CAGAACATGGGGAACTGCTGGAGGATCATCCTTACATACCAAAGGACTGCAACTACATGGGCTCCGTGAA
AGAGTCTCTGGACTCTAAAGCTACTATAAGCACATGCATGGGGGGTCTCCGAGGTGTATTTAACATTGAT
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AAATATCCTTGCCCCTGCTACCTGGTCTGCTCATGAGCTGGGTCATGCTGTAGGAATGTCACATGATGAA
CAATACTGCCAATGTAGGGGTAGGCTTAATTGCATCATGGGCTCAGGACGCACTGGGTTTAGCAATTGCA
GTTATATCTCTTTTTTTAAACATATCTCTTCGGGAGCAACATGTCTAAATAATATCCCAGGACTAGGTTA
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TGTCAGAAAGATCGGTGTTGCCAATCAAATTGTAAGTTGCAACCAGGTGCCAACTGTAGCATTGGACTTT
GCTGTCATGATTGTCGGTTTCGTCCATCTGGATACGTGTGTAGGCAGGAAGGAAATGAATGTGACCTTGC
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GATTACAGGAATTCGAAATTTTAAAAAGTGTGAAAGTGCAAATTCAATATGTGGCAGGCTACAGTGTATA
AATGTTGAAACCATCCCTGATTTGCCAGAGCATACGACTATAATTTCTACTCATTTACAGGCAGAAAATC
TCATGTGCTGGGGCACAGGCTATCATCTATCCATGAAACCCATGGGAATACCTGACCTAGGTATGATAAA
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GCTCAGAGGGGCGATTCCCTCGTCAATTTGGGTTGTGTCCATCATAATGTTTCGCCTTATTTTATTAATC
CTTTCAGTGGTTTTTGTGTTTTTCCGGCAAGTGATAGGAAACCACTTAAAACCCAAACAGGAAAAAATGC
CACTATCCAAAGCAAAAACTGAACAGGAAGAATCTAAAACAAAAACTGTACAGGAAGAATCTAAAACAAA
AACTGGACAGGAAGAATCTGAAGCAAAAACTGGACAGGAAGAATCTAAAGCAAAAACTGGACAGGAAGAA
TCTAAAGCGAACATTGAAAGTGAACGACCCAAAGCAAAGAGTGTCAAGAAACAAAAAAAG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205577 representing NM_021794
Red=Cloning site Green=Tags(s)

MRSVQIFLSQCRLLLLLVPTMLLKSLGEDVIFHPEGEFDSYEVTIPEKLSFRGEVQGVVSPVSYLLQLKG
KKHVLHLWPKRLLLPRHLRVFSFTEHGELLEDHPYIPKDCNYMGSVKESLDSKATISTCMGGLRGVFNID
AKHYQIEPLKASPSFEHVVYLLKKEQFGNQVCGLSDDEIEWQMAPYENKARLRDFPGSYKHPKYLELILL
FDQSRYRFVNNNLSQVIHDAILLTGIMDTYFQDVRMRIHLKALEVWTDFNKIRVGYPELAEVLGRFVIYK
KSVLNARLSSDWAHLYLQRKYNDALAWSFGKVCSLEYAGSVSTLLDTNILAPATWSAHELGHAVGMSHDE
QYCQCRGRLNCIMGSGRTGFSNCSYISFFKHISSGATCLNNIPGLGYVLKRCGNKIVEDNEECDCGSTEE
CQKDRCCQSNCKLQPGANCSIGLCCHDCRFRPSGYVCRQEGNECDLAEYCDGNSSSCPNDVYKQDGTPCK
YEGRCFRKGCRSRYMQCQSIFGPDAMEAPSECYDAVNLIGDQFGNCEITGIRNFKKCESANSICGRLQCI
NVETIPDLPEHTTIISTHLQAENLMCWGTGYHLSMKPMGIPDLGMINDGTSCGEGRVCFKKNCVNSSVLQ
FDCLPEKCNTRGVCNNRKNCHCMYGWAPPFCEEVGYGGSIDSGPPGLLRGAIPSSIWVVSIIMFRLILLI
LSVVFVFFRQVIGNHLKPKQEKMPLSKAKTEQEESKTKTVQEESKTKTGQEESEAKTGQEESKAKTGQEE
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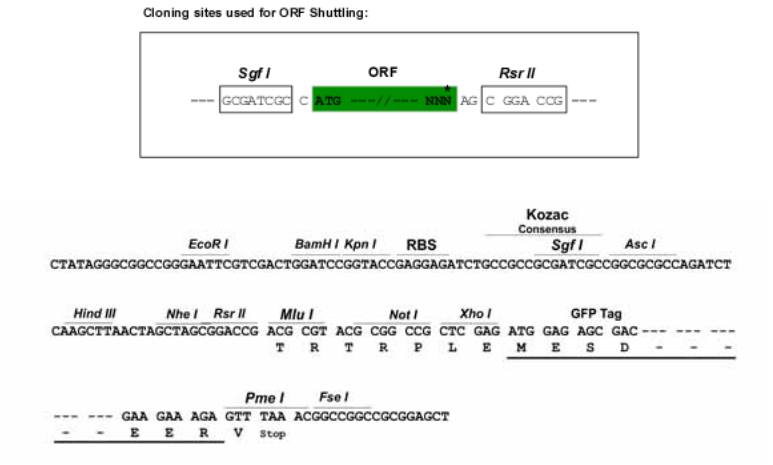
SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_021794

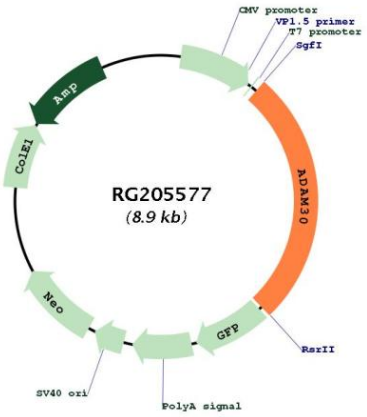
ORF Size: 2370 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_021794.2, NP_068566.2
RefSeq Size:	2972 bp
RefSeq ORF:	2373 bp
Locus ID:	11085
UniProt ID:	Q9UKF2
Cytogenetics:	1p12
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This gene is testis-specific and contains a polymorphic region, resulting in isoforms with varying numbers of C-terminal repeats. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205577