

Product datasheet for **RC205577**

ADAM30 (NM_021794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM30 (NM_021794) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM30
Synonyms:	svph4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC205577 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTCAGTGCAGATCTTCTCTCCCAATGCCGTTTGTCTCTACTAGTTCGACAATGCTCCTTA
 AGTCTCTTGGCGAAGATGTAATTTTACCCTGAAGGGGAGTTTGACTCGTATGAAGTCACCATTCTGA
 GAAGCTGAGCTTCCGGGAGAGGTGCAGGGTGTGGTCAGTCCCGTGTCTACCTACTGCAGTAAAAAGGC
 AAGAAGCACGCTCCTCATTGTGGCCCAAGAGACTTCTGTTGCCCGACATCTGCGCGTTTTCTCCTTCA
 CAGAACATGGGGAAGTCTGGAGGATCATCCTTACATACCAAAGGACTGCAACTACATGGGCTCCGTGAA
 AGAGTCTCTGGACTCTAAAGCTACTATAAGCACATGCATGGGGGGTCTCCGAGGTGATTTAACATTGAT
 GCCAAACATTACCAAATGAGCCCCTCAAGGCCTCTCCGAGTTTTGAACATGTCGCTATCTCCTGAAGA
 AAGAGCAGTTTGGGAATCAGGTTTGTGGCTTAAGTGATGATGAAATAGAATGGCAGATGGCCCTTATGA
 GAATAAGCGGAGGCTAAGGGACTTCTGGATCCTATAAACACCCAAAGTACTTGAATTGATCCTACTC
 TTTGATCAAAGTAGGTATAGGTTTGTGAACAACAATCTTCTCAAGTCATACATGATGCCATTCTTTTGA
 CTGGGATTATGGACACCTACTTTCAAGATGTTCGTATGAGGATACACTTAAAGGCTCTTGAAGTATGGAC
 AGATTTTAAACAAAATACGCGTTGGATATCCAGAGTTAGCTGAAGTTTTAGGCAGATTTGTAATATATAAA
 AAAAGTGATTAATGCTCGCCTGTCAAGATGGGCACATTTATCTTCAAAGAAAAATAATGATG
 CTCTTGCATGGTCGTTTGGAAAAGTGTCTCTAGAATATGCTGGATCAGTGAGTACTTTACTAGATAC
 AAATACCTTGCCCTGCTACCTGGTCTGCTCATGAGCTGGGTCATGCTGTAGGAATGTCACATGATGAA
 CAATACTGCCAATGTAGGGTAGGCTTAATTGCATCATGGGCTCAGGACGCACTGGGTTTAGCAATTGCA
 GTTATATCTCTTTTTTAAACATATCTCTCGGGAGCAACATGCTAAATAATATCCGAGACTAGGTTA
 TGTGCTTAAGAGATGTGGAACAAAAATTGTGGAGGACAATGAGGAATGTACTGTGGTTCCACAGAGGAG
 TGTGCAAAAGATCGGTGTGCCAATCAAATTTAAGTTGCAACCAAGGTGCCAAGTGTAGCATTGGACTTT
 GCTGTCATGATTGTCGGTTTCGTCATCTGGATACGTGTGAGGCAGGAAGGAAATGAATGTGACCTTGC
 AGAGTACTGCGACGGGAATCAAGTTCTGCCAAATGACGTTTATAAGCAGGATGGAACCCCTTGAAG
 TATGAAGGCCGTTGTTTCCAGGAAGGGTGCAGATCCAGATATATGCAGTGCCAAAGCATTTTTGGACCTG
 ATGCCATGGAGGCTCCTAGTGAGTGCTATGATGCAGTAACTTAATAGGTGATCAATTTGGTAACTGTGA
 GATTACAGGAATTCGAAATTTAAAAAGTGTGAAAGTCAAATTCATATGTGGCAGGCTACAGTGATA
 AATGTTGAAACCATCCCTGATTTGCCAGAGCATACGACTATAATTTCTACTCATTACAGGCAGAAAATC
 TCATGTGCTGGGCACAGGCTATCATCTATCCATGAAACCCATGGGAATACCTGACCTAGGTATGATAAA
 TGATGGCACCTCCTGTGGAGAAGGCCGGGTATGTTTTAAAAAAATTGCGTCAATAGCTCAGTCCTGCAG
 TTTGACTGTTTGCTGAGAAATGCAATACCCGGGGTGTGCAACAACAGAAAAAACTGCCACTGCATGT
 ATGGGTGGGCACCTCCATTCTGTGAGGAAGTGGGTATGGAGGAAGCATTGACAGTGGGCCTCCAGGACT
 GCTCAGAGGGGCGATTCCCTCGTCAATTTGGGTTGTGCCATCATAATGTTTCGCTTATTTTATTAATC
 CTTTCAGTGGTTTTTGTGTTTTCCGGCAAGTGATAGGAAACCACTTAAAACCAACAGGAAAAAATGC
 CACTATCCAAAGCAAAAAGTGAACAGGAAGAATCTAAAACAAAAGTGTACAGGAAGAATCTAAAACAAA
 AACTGGACAGGAAGAATCTGAAGCAAAAAGTGGACAGGAAGAATCTAAAGCAAAAAGTGGACAGGAAGAA
 TCTAAAGCGAACATTGAAAGTGAACGACCCAAAGCAAGAGTGTCAAGAAACAAAAAAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

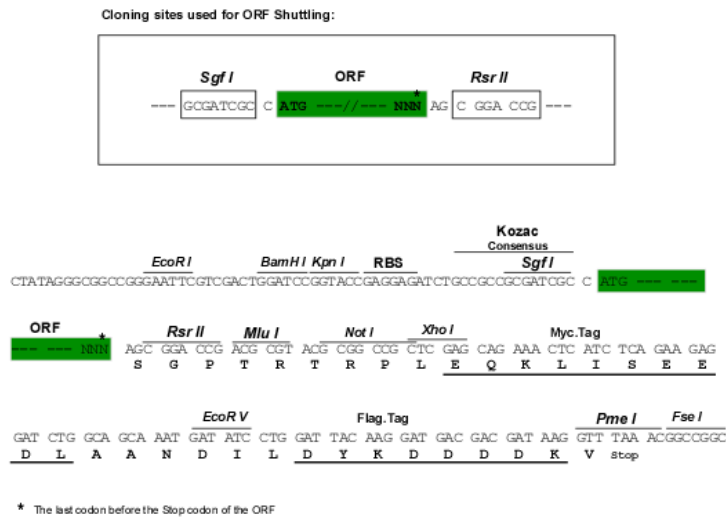
Protein Sequence: >RC205577 protein sequence
Red=Cloning site Green=Tags(s)

MRSVQIFLSQCRLLLLLVPTMLLKSLGEDVIFHPEGEFDSYEVTIPEKLSFRGEVQGVVSPVSYLLQLKG
KKHVLHLWPKRLLLPRHLRVFSFTEHGELLEHPYIPKDCNYMGSVKESLDSKATISTCMGGLRGVFNID
AKHYQIEPLKASPSFEHVYLLKKEQFGNQVCGLSDDEIEWQMAPYENKARLRDFPGSYKHPKYLELILL
FDQSRYRFVNNLSQVIHDAILLTGIMDTYFQDVRMRIHLKALEVWTFNKIRVGYPELAEVLGRFVIYK
KSVLNARLSSDWAHLYLQRKYNDALAWSFGKVCSEYAGSVSTLLDTNILAPATWSAHELGHAVGMSHDE
QYCQCRGRLNCIMGSGRTGFSNCSYISFFKHISSGATCLNNIPGLGYVLKRCGNKIVEDNEECDGSTE
CQKDRCCQSNCKLQPGANCSIGLCCHDCRFRPSGYVCRQEGNECDLAEYCDGNSSSCPNDVYKQDGT
PCKYEGRCFRKGCERSYMQCQSIFGPDAMEAPSECYDAVNLIQDQFGNCEITGIRNFKKCESANSICGRLQCI
NVETIPDLPEHTTIISTHLQAENLMCWGTGYHLSMKPMGIPDLGMINDGTSCGEGRVCFKKNCVNSSVLQ
FDCLPEKNTRGVCNNRKNCHCMYGWAPPFCSEEVGYGGSIDSGPPGLLRGAIPSSIWVVSIIIMFRLILLI
LSVVVFVFRQVIGNHLKPKQEKMPLSKAKTEQEEESKTKTQEEESKTKTQEESEAKTQEESEAKTQEE
SKANIESERP KAKSVKKQKK

SGP TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6185_f03.zip

Restriction Sites: Sgfl-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.

RefSeq: [NM_021794.4](#)

RefSeq Size: 3006 bp

RefSeq ORF: 2373 bp

Locus ID: 11085

UniProt ID: [Q9UKF2](#)

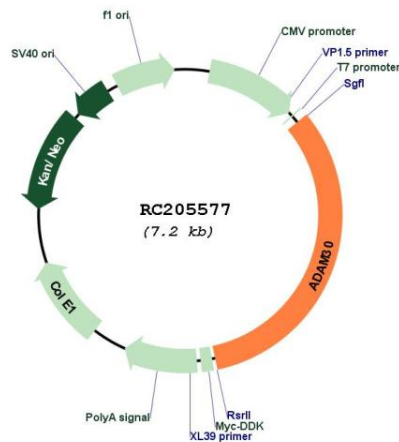
Cytogenetics: 1p12

Protein Families: Druggable Genome, Transmembrane

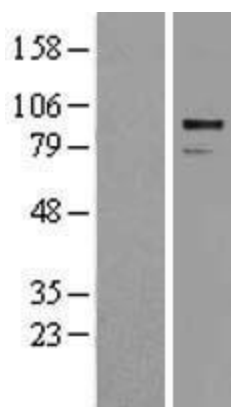
MW: 88.9 kDa

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 RC205577



Western blot validation of overexpression lysate (Cat# [LY402877]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205577 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).