

## Product datasheet for **RC205515**

### **ADAM32 (NM\_145004) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAM32 (NM_145004) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC205515 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCGCCTCTGGTTGCTGCTGGCCGGGCTCTGCGCCTCTGGCGTCAAGACCCGGTTTCAA  
 AATTCACTTCTACAGATCGTAATCCAGAGAAAATCCAAACAAATACAATGACAGTTCAGAAATAGAATATGA  
 ACAAAATATCCTATATTATTCCAATAGATGAGAACTGTACACTGTGCACCTTAAACAAAGATATTTTTTA  
 GCAGATAATTTTATGATCTATTTGTACAATCAAGGATCTATGAATACTTATTCTTCAGATATTCAGACTC  
 AATGCTACTATCAAGGAAATATTGAAGGATATCCTGATCCATGGTCACACTCAGCACGTGCTCTGGACT  
 AAGAGGAATACTGCAATTTGAAATGTTTCTTATGGAATTGAGCCTCTGGAATCTGCAGTTGAATTCAG  
 CATGTTCTTTACAAATTAAGAATGAAGACAATGATATTGCAATTTTTATTGACAGAAGCCTGAAAGAAC  
 AACCAATGGATGACAACATTTTTATAAGTGAAAAATCAGAACCAGCTGTTCCAGATTTATTTCTCTTTA  
 TCTAGAAATGCATATTGGTGGACAAAATTTGTATGATTACTGGGGCTCTGATAGCATGATAGTAACA  
 AATAAAGTCATCGAAATTTGGCCTTGCAAAATCAATGTTACCCAATTTAAAGTTACTATTGTGCTGT  
 CATCATTGGAGTTATGGTCAGATGAAAAAAGATTTCTACAGTTGGTGAGGCAGATGAATATTGAAAA  
 ATTTTTAGAATGGAAACAATCTTATCTTAACCTAAGGCCTCATGATATTCATATCTACTAATTTATATG  
 GATTATCCTCGTTATTTGGGAGCAGTGTTCCTGGAACAATGTGTATTACTCGTTATTCTGCAGGAGTTG  
 CATTGTACCCCAAGGAGATAACTCTGGAGGCATTTGCAGTTATTGTCACCCAGATGCTGGCACTCAGTCT  
 GGAATATCATATGACGACCCAAAGAAATGTCAATGTTGAGAATCCACCTGTATAATGAATCCAGAAGTT  
 GTGCAATCCAATGGTGTGAAGACTTTAGCAGTTGCAGTTGAGGAGCTTCAAATTTCAATTTCAAATG  
 TGGGTGCAAAATGCTTTCAGAATAAGCCACAAATGCAAAAAAATCTCCGAAACCAGTCTCGCGCAATGG  
 CAGATTGGAGGGAAATGAAATCTGTGATTGTGGTACTGAGGCTCAATGTGGACCTGCAAGCTGTTGTGAT  
 TTTCGAATTTGTACTGAAAGACGAGCAAAATGTTATAAAGGACTGTGCTGCAAGACTGTCAAAATTT  
 TACAATCAGGCGTTGAATGTAGGCCGAAAGCACATCCTGAATGTGACATCGCTGAAAAATGTAATGGAAG  
 CTCACCAGAATGTGGTCTGACATAACTTTAATCAATGGACTTTCATGCAAAAAATAAAGTTTATTTGT  
 TATGACGGAGACTGCCATGATCTCGATGCACGTTGTGAGAGTGTATTTGGAAAAGGTTCAAGAAATGCTC  
 CATTGCTCTGCTATGAAGAAATACAATCTCAATCAGACAGATTTGGAACTGTGGTAGGGATAGAAATA  
 CAAATATGTGTTCTGTGGATGGAGGAATCTTATATGTGGAAGATTAGTTTGTACATACCCTACTCGAAAG  
 CCTTTCCATCAAGAAAATGGTGTGTGATTTATGCTTTCTGACGAGATTCTGTATGCATAACTGTAGACT  
 ACAAAATTCCTCGAACAGTTCAGATCCACTGGCTGTCAAAAATGGCTCTCAGTGTGATATTTGGGAGGGT  
 TTGTGTAATCGTGAATGTGTAGAATCAAGGATAATTAAGGCTTCAGCACATGTTTGTTCACAACAGTGT  
 TCTGGACATGGAGTGTGTGATCCAGAAACAAGTGCCATTGTTCCGAGGCTATAAGCCTCCAAACTGCC  
 AAATACGTTCCAAAGGATTTTCCATATTTCTGAGGAAGATATGGGTTCAATCATGGAAAGAGCATCTGG  
 GAAGACTGAAAACACCTGGCTTCTAGGTTTCTCATTGCTCTTCTATTCTCATTGTAACAACCGCAATA  
 GTTTTGGCAAGGAAACAGTTGAAAAAGTGGTTCGCCAAGGAAGAGGAATCCCAAGTAGCGAATCTAAAT  
 CGGAAGGTAGCACACAGACATATGCCAGCCAATCCAGCTCAGAAGGCAGCACTCAGACATATGCCAGCCA  
 AACCAGATCAGAAAGCAGCAGTCAAGCTGATACTAGCAAAATCCAAATCAGAAGATAGTGTGAAGCATAT  
 ACTAGCAGATCCAAATCACAGGACAGTACCCAAACACAAAGCAGTAGTAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205515 protein sequence  
Red=Cloning site Green=Tags(s)

MFRLWLLLAGLCGLLASRPGFQNSLLQIVIPEKIQTNTNDSSEIEYEQISYIIPIDEKLYTVHLKQRYFL  
ADNFMIIYLYNQGSMTYSSDIQTQCYYQGNIEGYPDSMVTLSTCSGLRGILQFENVSYGIEPLESAVEFQ  
HVLKYLKKNEDNDIAIFIDRSLKEQPMDDNIFISEKSEPAVPDFPLYLEMHIVVDKTLDYWGSMSMIVT  
NKVIEIVGLANSMTQFKVTIVLSSLELWSDENKISTVGEADELLQKFLWKQSYLNLRPHDIAYLLIYM  
DYPRYLGAVFPGTMCITRYAGVALYPKEITLFAVIVTQMLALSLGISYDDPKKCQCSESTCIMNPEV  
VQSNQVKTFSKSLRSFQNFISNVGVKCLQNKPMQKSPKPVCGNGRLEGNEICDCGTEAQCQPASCCD  
FRFCVLDKDGAKCYKGLCKDCQILQSGVECRPKAHPECDIAENCNGSSPECGPDITLINGLSCKNNKFIC  
YDGDCHDLDARCESVFGKGSRNAPFACYEEIQSQSDRFGNCGDRNKKYVFCGWRNLICGRLVCTYPTRK  
PFHQENGDIYAFVRDSVCITVDYKLPRTVPDPLAVKNGSQCDIGRVCVNRECVESRIKASAHVCSQQC  
SGHGVCDSRNKCHCSPGYKPPNCQIRSKGFSIFPEEDMGSIMERASGKTENTWLLGFLIALPILIVTTAI  
VLARKQLKKWFAKEEEFPSSSEKSEGSTQTYASQSSSEGSTQTYASQTRSESSQADTSKSKSEDSAEAY  
TSRKSQDSTQTQSSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6313\\_g09.zip](https://cdn.origene.com/chromatograms/mk6313_g09.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_145004

ORF Size: 2361 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\\_145004.3](#)

**RefSeq Size:** 2742 bp

**RefSeq ORF:** 2364 bp

**Locus ID:** 203102

**UniProt ID:** [Q8TC27](#)

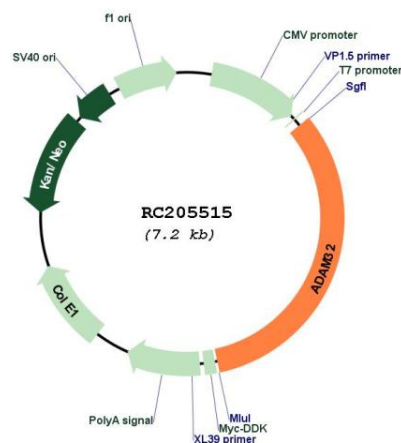
**Cytogenetics:** 8p11.22

**Protein Families:** Protease, Transmembrane

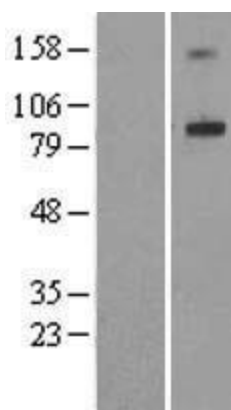
**MW:** 87.9 kDa

**Gene Summary:** This gene encodes a member of the disintegrin family of membrane-anchored proteins that play a role in diverse biological processes such as brain development, fertilization, tumor development and inflammation. This gene is predominantly expressed in the testis. The encoded protein undergoes proteolytic processing to generate a mature polypeptide comprised of an metalloprotease, disintegrin and epidermal growth factor-like domains. This gene is located in a cluster of other disintegrin and metallopeptidase family genes on chromosome 8. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

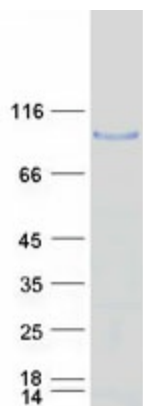
### Product images:



Circular map for RC205515



Western blot validation of overexpression lysate (Cat# [LY408141]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205515 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ADAM32 protein (Cat# [TP305515]). The protein was produced from HEK293T cells transfected with ADAM32 cDNA clone (Cat# RC205515) using MegaTran 2.0 (Cat# [TT210002]).