

## Product datasheet for **RG205515**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM32 (NM_145004) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAM32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG205515 representing NM\_145004  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTCCGCCTCTGGTTGCTGCTGGCCGGGCTCTGCGCCTCCTGGCGTCAAGACCCGGTTTCAA  
 AATTCACTTCTACAGATCGTAATTCAGAGAAAATCCAAACAAATACAATGACAGTTCAGAAAATGA  
 AATGACA  
 ACAAATATCCTATATTATTCCAATAGATGAGAACTGTACACTGTGCACCTTAAACAAAGATATTTT  
 TTA  
 GCAGATAATTTTATGATCTATTTGTACAATCAAGGATCTATGAATACTTATTCTTCAGATATTCAG  
 ACTC  
 AATGCTACTATCAAGGAAATATTGAAGGATATCCTGATCCATGGTCACACTCAGCACGTGCTCTGG  
 ACT  
 AAGAGGAATACTGCAATTTGAAATGTTTCTTATGGAATTGAGCCTCTGGAATCTGCAGTTGAATTC  
 AG  
 CATGTTCTTTACAAATTAAGAATGAAGACAATGATATTGCAATTTTTATTGACAGAAGCCTGAAAG  
 AAC  
 AACCAATGGATGACAACATTTTATAAGTGAAAAATCAGAACCAGCTGTTCCAGATTTATTTCTCTT  
 TA  
 TCTAGAAATGCATATTGGTGGACAAAATTTGTATGATTACTGGGGCTCTGATAGCATGATAGTAACA  
 A  
 AATAAAGTCATCGAAATTTGGCCTTGCAAAATCAATGTTACCCAATTTAAAGTTACTATTGTGCTGT  
 C  
 ATCATTGGAGTTATGGTCAGATGAAAATAAGATTTCTACAGTTGGTGAGGCAGATGAATTATTGCA  
 AAA  
 ATTTTTAGAATGGAAACAATCTTATCTTAACCTAAGGCCTCATGATATTCATATCTACTAATTTAT  
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 TCT  
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 AGTT  
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 AATG  
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 AATTT  
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 GAAG  
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 GT  
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 CGAAAG  
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 AGACT  
 ACAAATTCCTCGAACAGTTCAGATCCACTGGCTGTCAAAAATGGCTCTCAGTGTGATATTGGGAG  
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 AGTGT  
 TCTGGACATGGAGTGTGTGATTCAGAAACAAGTGCCATTGTTCCGACAGGCTATAAGCCTCCAA  
 ACTGCC  
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 TCTGG  
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 CAATA  
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 AAAT  
 CGGAAGGTAGCACACAGACATATGCCAGCAATCCAGCTCAGAAGGCAGCACTCAGACATATGCC  
 AGCCA  
 AACCAGATCAGAAAGCAGCAGTCAAGCTGATACTAGCAAAATCCAAATCAGAAGATAGTGTGA  
 AGCATAT  
 ACTAGCAGATCCAAATCACAGGACAGTACCCAAACACAAAGCAGTAGTAAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG205515 representing NM\_145004  
Red=Cloning site Green=Tags(s)

```
MFRLWLLLAGLCLLASRPGFQNSLLQIVIPEKIQTNTNDSSEIEYEQISYIIPIDEKLYTVHLKQRYFL
ADNFMIIYLYNQGSMTYSSDIQTQCYQGNIEGYPDSMVLSTCSGLRGILQFENVSYGIEPLESAVEFQ
HVLKYLKKNEDNDIAIFIDRSLKEQPMDDNIFISEKSEPAVDFPLYLEMHIVVDKTLDYWGSDSMIIVT
NKVIEIVGLANSMTQFKVTIVLSSLELWSDENKISTVGEADELLQKFLWKQSYLNLRPHDIAYLIIYM
DYPRYLGAVFPGTMCITRYSAGVALYPKEITLEAFVIVTQMLALSLGISYDDPKKCQCSESTCIMPNEV
VQSNQVKTFFSSCLRSFNQFISNVGVKCLQNKPMQKKSPPKPCVCGNRLEGNEICDCGTEAQCQPASCCD
FRFCVLDKDGAKCYKGLCKDCQILQSGVECRPKAHPECDIAENCNGSSPECQPDITLINGLSCKNNKFIC
YDGDCHDLARCESVFGKGSRNAPFACYEEIQSQSDRFGNCGDRNKNYVFCGWRNLICGRLVCTYPTRK
PFHQENGVDVIYAFVRDVCITVDYKLPRTVPDPLAVKNGSQCDIGRVCVNRECVESRIIKASAHVCSQQC
SGHGVCDSRNKCHCSPGYKPPNCQIRSKGFSIFPEEDMGSIMERASGKTENTWLLGLFIALPILIVTTAI
VLARKQLKKWFAKEEEFPSSSEKSEGSTQTYASQSSSEGSTQTYASQTRSESSSQADTSKSKSEDAEAY
TSRKSQDSTQTQSSSN
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_145004

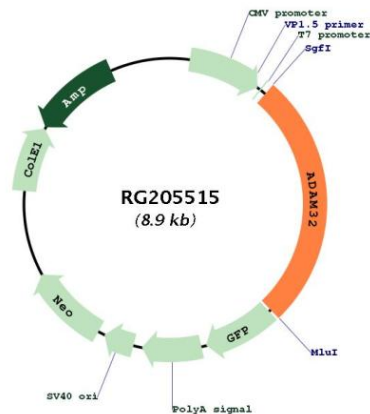
**ORF Size:** 2361 bp

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_145004.3</a></u>
<b>RefSeq Size:</b>	2742 bp
<b>RefSeq ORF:</b>	2364 bp
<b>Locus ID:</b>	203102
<b>UniProt ID:</b>	<u><a href="#">Q8TC27</a></u>
<b>Cytogenetics:</b>	8p11.22
<b>Protein Families:</b>	Protease, Transmembrane
<b>Gene Summary:</b>	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 RG205515