

Product datasheet for **SC314758**

ADAM33 (NM_025220) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM33 (NM_025220) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM33
Synonyms:	C20orf153; DJ964F7.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene ORF sequence for NM_025220 edited
ATGGGCTGGAGGCCCGGAGAGCTCGGGGGACCCCGTTGCTGCTGCTACTACTGCTG
CTGCTCTGGCCAGTGCCAGGCGCCGGGTGCTTCAAGGACATATCCCTGGGCAGCCAGTC
ACCCCGCACTGGGTCTGGATGGACAACCTGGCGCACCGTCAGCCTGGAGGAGCCGGTC
TCGAAGCCAGACATGGGGCTGGTGGCCCTGGAGGCTGAAGGCCAGGAGCTCCTGCTTGAG
CTGGAGAAGAACCACAGGCTGCTGGCCCCAAGCACCACGGATCATTGCCACTACCAAGGGCGAGTA
GGGCAGCCAGTGGTCTGGCCCCAACCACACGGATCATTGCCACTACCAAGGGCGAGTA
AGGGGCTTCCCCGACTCCTGGGTAGTCCCTCTGCACCTGCTCTGGGATGAGTGGCCTGATC
ACCCTCAGCAGGAATGCCAGCTATTATCTGCGTCCCTGGCCACCCCGGGGCTCCAAGGAC
TTCTCAACCCACGAGATCTTTCGGATGGAGCAGCTGCTCACCTGGAAAGGAACCTGTGGC
CACAGGGATCCTGGGAACAAAGCGGGCATGACCAGCCTTCTGGTGGTCCCCAGAGCAGG
GGCAGGCGAGAAGCGCGCAGGACCCGGAAGTACCTGGAAGTGTACATTGTGGCAGACCAC
ACCCTGTTCTTGACTCGGCACCGAAACTGAACCACACCAACAGCGTCTCCTGGAAGTC
GCCAACTACGTGGACCAGCTTCTCAGGACTCTGGACATTCAGGTGGCGCTGACCGGCCTG
GAGGTGTGGACCGAGCGGACCCGACCGCGTCACGCAGGACGCCAACGCCACGCTCTGG
GCCTTCTGCAGTGGCGCCGGGGCTGTGGGCGCAGCGGCCACGACTCCGCGCAGCTG
CTCACGGGCCCGCCTTCCAGGGCGCCACAGTGGGCTGGCGCCCGTTCGAGGGCATGTGC
CGCGCCGAGAGCTCGGGAGGCGACCACTCGGAGCTCCCCATCGGCGCCGAGCCACCATG
GCCCATGAGATCGGCCACAGCCTCGGCCTCAGCCACGACCCCGAGCGTCTGCTGCTGGAG
GCTGCGGCCGAGTCCGGAGGCTGCGTATGGCTGCGGCCACCGGGCACCCGTTTCCGCGC
GTGTTCCAGCGCTGCAGCCGCCAGCTGCGCGCCTTCTTCCGAAGGGGGCGGGCGCT
TGCTTCCAATGCCCGGACCCCGACTCCCGGTGCCCGCGCCTCTGCGGGAACGGC
TTCGTGAAGCGGGCGAGGAGTGTGACTGCGGCCCTGGCCAGGAGTCCCGCGACTCTGC
TGCTTTGCTCACAACTGCTCGCTGCGCCCGGGGGCCAGTGCGCCACGGGGACTGCTGC
GTGCGCTGCCTGTGAAGCCGGCTGGAGCGCTGTGCCGCCAGGCCATGGGTGACTGTGAC
CTCCCTGAGTTTTGCACGGGCACCTCCTCCCACTGTCCCCAGACGTTTACCTACTGGAC
GGCTCACCTGTGCCAGGGGAGTGGTACTGCTGGGATGGCGCATGTCCCACGCTGGAG
CAGCAGTGCCAGCAGCTCTGGGGGCTGGCTCCCACCCAGCTCCCAGGCCTGTTTCCAG
GTGGTGAAGTCTGCGGGAGATGCTCATGGAAACTGCGGCCAGGACAGCGAGGGCCACTTC
CTGCCCTGTGCAGGGAGGATGCCCTGTGTGGAAAGTGCAGTGCAGGGTGGAAAGCCC
AGCCTGCTCGCACCGCACATGGTGCCAGTGGACTTACCCTTACCTAGATGGCCAGGAA
GTGACTTGTCCGGGAGCCTTGGCACTCCCCAGTCCCAGCTGGACCTGCTTGGCCTGGGC
CTGGTAGAGCCAGGCACCCAGTGTGGACCTAGAATGGTGTGCCAGAGCAGGCGCTGCAGG
AAGAATGCCTTCCAGGAGCTTACGCGCTGCCTGACTGCCTGCCACAGCCACGGGGTTTGC
AATAGCAACCATAAAGTGCCTGTGCTCCAGGCTGGGCTCCACCTTCTGTGACAAGCCA
GGCTTTGGTGGCAGCATGGACAGTGGCCCTGTGCAGGCTGAAAACCATGACACCTTCTGT
CTGGCCATGCTCCTCAGCGTCTGCTGCCTCTGCTCCCAGGGGCCGGCCTGGCCTGGTGT
TGCTACCGACTCCAGGAGCCCATCTGCAGCGATGCAGCTGGGGTGCAGAAGGGACCTC
GCGTGCAGTGGCCCCAAGATGGCCCCACACAGGGACACCCCTGGGCGGGCTTACCCCC
ATGGAGTTGGGCCCCACAGCCACTGGACAGCCCTGGCCCTGGACCCTGAGAACTCAT
GAGCCCAGCAGCCACCCTGAGAAGCCTCTGCCAGCAGTCTCGCCTGACCCCAAGCAGAT
CAAGTCCAGATGCCAAGATCCTGCCTCTGGTGA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025220 unedited
 TCGATTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCACCAGGAGCTCACAGCTAT
 GGGCTGGAGGCCCCGGAGAGCTCGGGGGACCCCGTTGCTGCTGCTACTACTGCTGCT
 GCTCTGGCCAGTGCCAGGCGCCGGGGTCTTCAAGGACATATCCCTGGGCAGCCAGTAC
 CCCGCACTGGGTCTGGATGGACAACCCGGCGCACCGTCAGCCTGGAGGAGCCGGTCTC
 GAAGCCAGACATGGGGCTGGTGGCCCTGGAGGCTGAAGGCCAGGAGCTCCTGCTTGAGCT
 GGAGAAGAACCACAGGCTGCTGGCCCCAGGATACATAGAAACCCACTACGGCCCCAGATGG
 GCAGCCAGTGGTCTGGCCCCAACACACGGATCATTGCCACTACCAAGGGCGAGTAAG
 GGGCTTCCCCGACTCCTGGGTAGTCTCTGCACCTGCTCTGGGATGAGTGGCCTGATCAC
 CCTCAGCAGGAATGCCAGCTATTATCTGCGTCCCTGGCCACCCCGGGGCTCCAAGGACTT
 CTCAACCACGAGATCTTTCGGATGGAGCAGCTGCTCACCTGGAAGGAACCTGTGGCCA
 CAGGGATCTGGGAACAAAGCGGGCATGACCAGCCTTCTGGTGGTCCCCAGAGCAGGGG
 CAGGCGAGAAGCGCGCAGACCCGGAAGTACCTGGAAGTGTACATTGTGGCAGACCACACC
 CTGTTCTTGACTCGGCACCGAACTTGAACCACACCAAACAGCGTCTCCTGGAAGTGGCC
 AACTACGTGGACCAGCTTCTCAGACTCTGGACATTCAGTGGCGCTGACCCGCCTGAGTGT
 GGACCGAGCGGGACCGCAGCCCGCTCACGACAGCCACGCACCGTCTGGGCCTCCTGCA
 TGCGCCGGGGGCTTGTGGGGCGCAGCGCCCCACGACTCCGGCGCAGCTGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_025220 unedited
 ACTAAAAATATTTTAGAGAGGGTCTTGCTCGGGGAGAAAGGCTGGAGTGCAGTGGTGCCA
 CCATAGCTCACTGCAGTGTGAAGTCAAGTGCATCCTCCTGCTTACAGCCTCCTGA
 GCAGCTAGGCCTACAGGTACACACCACCGCCAGCTAATTTTAAAATTTTCTGTAGA
 TGCGGTGTCTTGCTGTGTGCCCCAGGCTGGTGTGGACCTGCTGGCCTCTGGTGATCCTCC
 TACCCCGGCTTCCCAAAGTGTGGGATTATAGGCATGAGCCACCACGCCTATAGCCAACA
 TGTCTTTCTTTGACTTCTACTTTGGTATCTTTTCTAAATGGTTCCTCTGTCCCCCG
 ACACACACAGAATGGGGGAGAGGCTGTCAGATTCTGAGCTCCAGAACCTCAGGTGTAGCA
 CTGGGATTGGGGTGGGGCTCAGGAACCACCTAGGGGAGAAGACAGGGTGGGAAGAAAC
 AGGAAGGAAGGTCCCAAATATGTTTGTGTTGCAGAGGCCAGCCAGGCTGCAGGGGAGT
 GTGGACTCAGTCAAACATAGGGCCCCAGGACCACTATCTTCTGGCCAGCAGTCATGCC
 TCCACAGAGCTGGGTCCCGTGGAAAATTGCATGTATGAGACACACCAGACTCCCAGACA
 GAGCCCTTTTGGGATGGGCCACCACTACCCACCTCCACTGGTGGAGGGAGGTCAGGGGC
 TGTGTGACCTTTGCTTTTGGTCTGATGGTTCATTGAGCTGGAGAGTATGACCCGAGTGT
 TTACCGCACCCAGGACATCCTAACGAGGCTCTGGGTCTCAGGAAGGGCGGGTCGAAATA
 CCAATTCGAAAAACCTTCAGTAAACTTGGGGGCTGGCGACGCGA

Restriction Sites:

Please inquire

ACCN:

NM_025220

Insert Size:

3500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by 3 amino acids. This is deemed to be a polymorphism.

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:	<ol style="list-style-type: none">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_025220.2 , NP_079496.1
RefSeq Size:	3594 bp
RefSeq ORF:	2442 bp
Locus ID:	80332
UniProt ID:	Q9BZ11
Cytogenetics:	20p13
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>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 protein is a type I transmembrane protein implicated in asthma and bronchial hyperresponsiveness. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (alpha). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>