

Product datasheet for **SC327198**

ADAM8 (NM_001164490) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM8 (NM_001164490) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM8
Synonyms:	CD156; CD156a; MS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001164490, the custom clone sequence may differ by one or more nucleotides

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ATGCGCGGCTCGGGCTCTGGCTGCTGGGCGCGATGATGCTGCCTGGGCCTGCACCCAGA
GAGGGTGAGCTACGTCTTGGGGCCACAGGGCACAACTTCACCCTCCACCTGCGGAAGAA
CAGGGACTGTGGGCTCCGGCTACACAGAGACCTATACGGCTGCCAATGGCTCCGAGGT
GACGGAGCAGCCTCGCGGGCAGGACCACTGCTTCTACCAGGGCCACGTAGAGGGGTACCC
GGACTCAGCCGCCAGCCTCAGCACCTGTGCCGGCCTCAGGTGGGGTCAGACCTGCACCTG
ATCGAGCCCTGGATGAAGGTGGCGAGGGCGGACGGCACGCCGTGTACCAGGCTGAGCAC
CTGCTGCAGACGGCCGGACCTGCGGGGTGAGCGACGACAGCCTGGGCAGCCTCTGGGA
CCCCGGACGGCAGCCGTCTCAGGCCTCGGCCCGGGGACTCTCTGCCATCCCAGAGACC
CGCTACGTGGAGCTGTATGTGGTCGTGGACAATGCAGAGTTCCAGATGCTGGGGAGCGAA
GCAGCCGTGCGTCATCGGGTCTGGAGGTGGTGAATCACGTGGACAAGCTATATCAGAAA
CTCAACTCCGTGTGGTCTGGTGGCCTGGAGATTTGGAATAGTCAGGACAGGTTCAC
GTCAGCCCCGACCCAGTGCACACTGGAGAACCTCCTGACCTGGCAGGCACGGCAACGG
ACACGGCGGCACCTGCATGACAACGTACAGCTCATCACGGGTGTGCACTTACCCGGGACT
ACCGTGGGGTTTGCAGGGTGTCCGCCATGTGCTCCACAGCTCAGGGGCTGTGAACCAG
GACCACAGCAAGAACCCCGTGGGCGTGGCCTGTACCATGGCCATGAGATGGGCCACAAC
CTGGGCATGGACCATGATGAGAACGTCCAGGGTCCCGCTGCCAGGAACGCTTCGAGGCC
GGCCGCTGCATCATGGCGGGCAGCATTGGCTCCAGTTTCCCAGGATGTTCAAGTACTGC
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CCTGACCTCAGCCACCTGGTGGGCGGCCCGTGTGTGGAACTGTTTGTGGAGCGTGGG
GAGCAGTGCAGCTGCGGCCCGGAGGACTGCCGGAACCGCTGCTGCAACTCTACCACC
TGCCAGTGGCTGAGGGGGCCAGTGTGCGCACGGTACCTGCTGCCAGGAGTGCAAGGTG
AAGCCCGCTGGTGTGAGCTGTGCCGTCCCAAGAAGGACATGTGTGACCTCGAGGAGTTCTGT
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GGGCCAGGTGGCAGGCTGCCGAGGAGTCTGCTTCTCCTATGACATCCTACCAGGCTGC
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CCCCTGGGGCTGCCATCTGCATCGTGGATGTGTGCCACGCGCTACCACAGAGGATGGC
ACTGCGTATGAACCAAGTCCCGAGGGCACCCGGTGTGGACCAGAGAAGGTGTGAACCAC
AAGCAGGAGTGCCACTGCCACGCGGGCTGGGCCCGCCCACTGCGCGAAGCTGTGACT
GAGGTGCACGCAGCGTCCGGGAGCCTCCCGTCTTCGTGGTGGTGGTCTGGTGCCTCTG
GCAGTTGTGCTGGTACCCCTGGCAGGCATCATCGTCTACCGAAAAGCCCGAGCCGCATC
CTGAGCAGGAACGTGGCTCCCAAGACCACAATGGGGCGCTCCAACCCCTGTTCCACCAG
GCTGCCAGCCGCTGCCGGCCAAGGGCGGGGCTCCAGCCCATCCAGGGGCCCAAGAG
CTGGTCCCCACCCACCCGGGCCAGCCCGCCGACACCCGGCTCCTCGTGGTCTGTG
AAGAGGCCGCCCTGCTCCTCCGGTACTGTGTCCAGCCACCCTTCCAGTTCCTGTGTC
TACACCCGGCAGGCACCAAGCAGGGTGTGTTGGCCAAAGGTTGCCCTGAAGCCCCC
ATCCAGAGGAAGCAAGGAGCCGGAGCTCCACAGCACCC

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Restriction Sites: Please inquire

ACCN: NM_001164490

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001164490.1</u> , <u>NP_001157962.1</u>
RefSeq Size:	3043 bp
RefSeq ORF:	2202 bp
Locus ID:	101
UniProt ID:	<u>P78325</u>
Cytogenetics:	10q26.3
Protein Families:	Druggable Genome, 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. The protein encoded by this gene may be involved in cell adhesion during neurodegeneration, and it is thought to be a target for allergic respiratory diseases, including asthma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2009]</p> <p>Transcript Variant: This variant (3) lacks three alternate exons and uses an alternate splice site in the coding region, which results in a frameshifted segment, compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter than isoform 1.</p>