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Product datasheet for SC123898

ADAM8 (NM_001109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM8 (NM_001109) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM8
Synonyms:	CD156; CD156a; MS2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001109, the custom clone sequence may differ by one or more nucleotides

ATGCGCGGCCTCGGGCTCTGGCTGCTGGGCGCGATGATGCTGCCTGCGATTGCCCCCAGCCGGCCCTGGG
CCCTCATGGAGCAGTATGAGGTCGTGTTGCCGTGGCGTCTGCCAGGCCCCCGAGTCCGCCGAGCTCTGCC
CTCCCACTTGGGCCTGCACCCAGAGAGGGTGAGCTACGTCCTTGGGGCCACAGGGCACAACTTCACCCTC
CACCTGCGGAAGAACAGGGACCTGCTGGGCTCCGGCTACACAGAGACCTATACGGCTGCCAATGGCTCCG
AGGTGACGGAGCAGCCTCGCGGGCAGGACCACTGCTTCTACCAGGGCCACGTAGAGGGGTACCCGGACTC
AGCCGCCAGCCTCAGCACCTGTGCCGGCCTCAGGGGTTTCTTCCAGGTGGGGTCAGACCTGCACCTGATC
GAGCCCCTGGATGAAGGTGGCGAGGGCGGACGGCACGCCGTGTACCAGGCTGAGCACCTGCTGCAGACGG
CCGGGACCTGCGGGGTCAGCGACGACAGCCTGGGCAGCCTCCTGGGACCCCGGACGGCAGCCGTCTTCAG
GCCTCGGCCCGGGGACTCTCTGCCATCCCGAGAGACCCGCTACGTGGAGCTGTATGTGGTCGTGGACAAT
GCAGAGTTCCAGATGCTGGGGAGCGAAGCAGCCGTGCGTCATCGGGTGCTGGAGGTGGTGAATCACGTGG
ACAAGCTATATCAGAAACTCAACTTCCGTGTGGTCCTGGTGGGCCTGGAGATTTGGAATAGTCAGGACAG
GTTCCACGTCAGCCCCGACCCCAGTGTCACACTGGAGAACCTCCTGACCTGGCAGGCACGGCAACGGACA
CGGCGGCACCTGCATGACAACGTACAGCTCATCACGGGTGTCGACTTCACCGGGACTACCGTGGGGTTTG
CCAGGGTGTCCGCCATGTGCTCCCACAGCTCAGGGGCTGTGAACCAGGACCACAGCAAGAACCCCGTGGG
CGTGGCCTGTACCATGGCCCATGAGATGGGCCACAACCTGGGCATGGACCATGATGAGAACGTCCAGGGC
TGCCGCTGCCAGGAACGCTTCGAGGCCGGCCGCTGCATCATGGCGGGCAGCATTGGCTCCAGTTTCCCCA
GGATGTTCAGTGACTGCAGCCAGGCCTACCTGGAGAGCTTTTTGGAGCGGCCGCAGTCGGTGTGCCTCGC
CAACGCCCCTGACCTCAGCCACCTGGTGGGCGGCCCCGTGTGTGGGAACCTGTTTGTGGAGCGTGGGGAG
CAGTGCGACTGCGGCCCCCCCGAGGACTGCCGGAACCGCTGCTGCAACTCTACCACCTGCCAGCTGGCTG
AGGGGGCCCAGTGTGCGCACGGTACCTGCTGCCAGGAGTGCAAGGTGAAGCCGGCTGGTGAGCTGTGCCG
TCCCAAGAAGGACATGTGTGACCTCGAGGAGTTCTGTGACGGCCGGCACCCTGAGTGCCCGGAAGACGCC
TTCCAGGAGAACGGCACGCCCTGCTCCGGGGGCTACTGCTACAACGGGGCCTGTCCCACACTGGCCCAGC
AGTGCCAGGCCTTCTGGGGGCCAGGTGGGCAGGCTGCCGAGGAGTCCTGCTTCTCCTATGACATCCTACC
AGGCTGCAAGGCCAGCCGGTACAGGGCTGACATGTGTGGCGTTCTGCAGTGCAAGGGTGGGCAGCAGCCC
CTGGGGCGTGCCATCTGCATCGTGGATGTGTGCCACGCGCTCACCACAGAGGATGGCACTGCGTATGAAC
CAGTGCCCGAGGGCACCCGGTGTGGACCAGAGAAGGTTTGCTGGAAAGGACGTTGCCAGGACTTACACGT
TTACAGATCCAGCAACTGCTCTGCCCAGTGCCACAACCATGGGGTGTGCAACCACAAGCAGGAGTGCCAC
TGCCACGCGGGCTGGGCCCCGCCCCACTGCGCGAAGCTGCTGACTGAGGTGCACGCAGCGTCCGGGAGCC
TCCCCGTCTTCGTGGTGGTGGTTCTGGTGCTCCTGGCAGTTGTGCTGGTCACCCTGGCAGGCATCATCGT
CTACCGCAAAGCCCGGAGCCGCATCCTGAGCAGGAACGTGGCTCCCAAGACCACAATGGGGCGCTCCAAC
CCCCTGTTCCACCAGGCTGCCAGCCGCGTGCCGGCCAAGGGCGGGGCTCCAGCCCCATCCAGGGGCCCCC
AAGAGCTGGTCCCCACCACCCACCCGGGCCAGCCCGCCCGACACCCGGCCTCCTCGGTGGCTCTGAAGAG
GCCGCCCCCTGCTCCTCCGGTCACTGTGTCCAGCCCACCCTTCCCAGTTCCTGTCTACACCCGGCAGGCA
CCAAAGCAGGTCATCAAGCCAACGTTCGCACCCCCAGTGCCCCCAGTCAAACCCGGGGCTGGTGCGGCCA
ACCCTGGTCCAGCTGAGGGTGCTGTTGGCCCAAAGGTTGCCCTGAAGCCCCCCATCCAGAGGAAGCAAGG
AGCCGGAGCTCCCACAGCACCCTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001109 unedited
GGGAGTCANATTTTGTAAACGACTCACTATAGGCGGCCGCGTGTCACCTCCGCCTCTGCT
CCCCGACCCGGCCATGCGCGGCCTCGGGCTCTGGCTGCTGGGCGCGATGATGCTGCCTGC
GATTGCCCCCAGCCGGCCCTGGGCCCTCATGGAGCAGTATGAGGTCGTGTTGCCGCGGCG
TCTGCCAGGCCCCCGAGTCCGCCGAGCTCTGTTTTCTTTCTTGGGCCTGCACCCAGAGAG
GGTGAGCTACGTCCTTGGGGCCACAGGGCACAACTTCACCCTCCACCTGCGGAAGAACAG
GGACCTGCTGGGCTCCGGCTACACAGAGACCTATACGGCTGCCAATGGCTCCGAGGTGAC
GGAGCAGCCTCGCGGGCAGGACCACTGCTTCTACCAGGGCCACGTAGAGGGGTACCCGGA
CTCAGCCGCCAGCCTCAGCACCTGTGCCGGCCTCAGGGGTTTCTTCCAGGTGGGGTCAGA
CCTGCACCTGATCGAGCCCCTGGATGAAGGTGGCGAGGGCGGACGGCACGCCGTGTACCA
GGCTGAGCACCTGCTGCAGACTGCCGGGACCTGCGGGGTCAGCGACGACAGCCTGGGCAG
CCTCCTGGGACCCCCGACGGCAGCCGTCTTCAGGCCTTGGCCCGGGGACTCTCTGCCATC
CCGAGAGACCCGTTCTTGGAGCTGTATGTGGTCGTGGACAATGCAAAATTTCAGATGCTG
GGGGAGCAAACAACCCTGGCTCATCGGGTGCCTGGAGGGGGTGAATCACGTGGACAAGCC
TTTCACAAACCCAACTTCCGTGGGGCCCCTGTGGGCCTGGAAATTTGGAATATCAGGAAA
GGTTCCCGTTAGCCCCGACCCAGTGTCCATTGGAAAACTCCGGCCCGGCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001109 unedited
AGGGNTGGTNTTNNNTTTCCTGGATGTCACTTCCAGGCCAGGAGAGGCACTGGGGAGGGG
TCACAGGGATGCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAG
AGTCGAGTTTTTTTTTTTTTTTTTTTTTTTCTCGGTCAATAATTTATTAGTAAAATATAC
ATTTCTCATTATTAAAGAATAAAAGCTTTCAGCCCTGCTGAACACACATCTGAGGTCTCA
AGAAAACCAGACAAGATAGCTGACTCTCCCACATAGCCCTTTCCATAAAGGCGATTCCTA
AGCTTAAACACACACAAAGCTGGGGCTGTCCCTCTTGAATCCCATGGGAAACAGGCCCCA
AGATCAGGGGACCTGGAGTCGGGAGCTTGGGGTGCAGTCTGCTCACTGACACCCTCTCGA
AGAGCACGCAGGGGAACCTGGTCCTGGGATGGAGTCTTTCTGGGGATGCCCCACGTCTGT
GCTGCCTGGAACCGGGTGCCCAGGGCAGCCGGCTCAGCAGGCCCCAGAGCAGGGGCAGGT
GTGGCTGGGAGGGGCTGTATATGTGGCCTCCTGAACACAGCGGGAGACCAGCGGCCACCT
GGAGACACGTACACACACACGCACCCGCAAGCACACAGCTCATCCCAGCCTGGTGCCTGC
AGACAGCTGGGGCTACACGTGGCCAAGGCGGGGAGAAGGAATTGGCTGAGGGCGTGGACA
GCAGGAGCCTCTCAGGTAGATGCATTCCTGAGGTTAGAACAGCAGCTGAGCCTGCAAAGT
CAGGGTCT

Restriction Sites: NotI-NotI

ACCN: NM_001109

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).

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_001109.2, NP_001100.2
RefSeq Size:	3316 bp
RefSeq ORF:	2571 bp
Locus ID:	101
UniProt ID:	P78325
Cytogenetics:	10q26.3
Protein Families:	Druggable Genome, Transmembrane
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. 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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).