

Product datasheet for **SC308413**

ADAM15 (NM_207196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207196) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM15
Synonyms:	MDC15
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_207196, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCTGGCGCTGCTCTGGGCCCTGGGGCTCCTGGGCGGGGAGCCCTCTGCCTTCC
TGGCCGCTCCCAAATATAGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCG
AGGGAGCCCTTGGAGCCCAGGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTG
CTTCAGACCAGTCTGCCTGAGCCCCTGAGGATCAAGTTGGAGCTGGACGGTGACAGTCAT
ATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCCGCCAACCCCTGGTGTGGTAC
CAGCCCGATGGCACTCGGGTGGTCAGTGAGGGACACACTTTGGAGAACTGCTGTACCAG
GGAAGAGTGGGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
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CAGGGTCTCCCATTTTCGCGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTGCC
CTGAGCTGGCGGAATCTGTACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGC
CACATTCGCCGGAGGCGGGATGTGGTAACAGAGACCAAGACTGTGGAGTTGGTATTGTG
GCTGATCACTCGGAGGCCAGAAATACCGGACTTCCAGCACCTGCTAAACCGCACACTG
GAAGTGGCCCTCTTGCTGGACACATTCTCCGGCCCTGAATGTACGAGTGGCACTAGTG
GGCCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGATCAGCCCAAACCCAGCTGTACC
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GCCCAGCTGGTGAAGTACTTCACTTCTCTGGGCTACGGTGGGCATGGCCATTCAGAAC
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TCCACAGACTTCTACCAGGCCTGAACCTCAGCAACTGCAGCCGACGGGCCCTGGAGAAA
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CCCCTGCGCCACTTTGCCTCCAGACAGCTAATACTCGGGGAAATGCTTTTGGGAGCTGT
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CCCCCTGACTGCACCACTCAGCTCAAAGCAACCAGCTCCCTGACCACAGGGCTGCTCCTC
AGCCTCCTGGTCTTATTGGTCTGGTGTGCTTGGTGGCAGTACTGGTACCGTGCCCGC
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AGTGCTCTCAGCTTCCCGCCCCCTTCCAGGCCGCTGCCGCTGACCTGTGTCCAAG
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CCGGTGGTGAGAAGCCGAAGTCTCAGGGGCCAGCAAGCCCCCAAGGAAGCCA
CTGCTGCCGACCCAGGGCCGGTGGCCATCGGGTACCTGCCCGGCCAGGGGCTGGA
ATCCCGCCCTAGTGGTACCCTCCAGACCAGCGCCACCGCTCCGACAGTGTCTCGCTC
TACCTCTGA

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Restriction Sites: Please inquire
ACCN: NM_207196

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_207196.1</u> , <u>NP_997079.1</u>
RefSeq Size:	2967 bp
RefSeq ORF:	2589 bp
Locus ID:	8751
UniProt ID:	<u>Q13444</u>
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (5) uses an alternative splice site within the coding region compared to variant 6. The translation frame remains the same. The resulting isoform (5) lacks an amino acid, as compared to the longest isoform (6).</p>