

## Product datasheet for **SC321268**

### ADAM15 (NM\_003815) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_003815) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM15
Synonyms:	MDC15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_003815.3  
 CCGAGGCGACCTGGCCGCGGCCGCTCCTCCGCGCGCTGTTCCGCACTTGTGCCCTCGC  
 CCGGCCCGGAGCGCCGCTGCCATGCGGCTGGCGCTGCTCTGGGCCCTGGGGCTCTGGGC  
 GCGGGCAGCCCTCTGCCTTCTGGCCGCTCCCAAATATAGGTGGCACTGAGGAGCAGCAG  
 GCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGGAGCCCCAGGTCCTTCAGGACGATCTC  
 CCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCCTGAGGATCAAGTTG  
 GAGCTGGACGGTGACAGTATATCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGC  
 CGCCCAACCTGGTGTGGTACCAGCCCGATGGCACTCGGGTGGTCAAGTGGGACACACT  
 TTGGAGAAGTGTGCTACCAGGGAAGAGTGGGGGATATGCAGGCTCCTGGGTGTCCATC  
 TGCACCTGCTCTGGGCTCAGAGGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCCTG  
 GAGCAGGGGCTGGGACCTTCAGGCTCCTCCATTATTTGCGGAATCCAAGATCTCCAC  
 CTGCCAGGCCACACTGTGCCCTGAGCTGGCGGAATCTGTACACACTCAGACGCCACCA  
 GAGACCCCTGGGACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAACAGAGACCAAG  
 ACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGGACTCCAG  
 CACTGTAAACCGCACACTGGAAGTGGCCCTTGTCTGGACACATTCTCCGGCCCTG  
 AATGTACGAGTGGCACTAGTGGGCTGGAGGCTGGACCCAGCGTGACCTGGTGGAGATC  
 AGCCCAAACCCAGCTGTACCCTCGAAAATTCCTCCACTGGCGCAGGGCACATTTGCTG  
 CCTCGATTGCCCCATGACAGTGGCCAGCTGGTACTGGTACTTCTCTGGGCTACG  
 GTGGGCATGGCCATTGAACTCCATCTGTTCTCCTGACTTCTCAGGAGGTGGAACATG  
 GACCACTCCACAGCATCCTGGGAGTGGCTCCTCCATAGCCCATGAGTTGGGCCACAGC  
 CTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCAGCC  
 AAGACCTGCATCATGGAGCCTCCACAGACTTCTACCAGGCTGAACTTCAGCAACTGC  
 AGCCGAGGGCCCTGGAGAAAGCCCTCTGGATGGAATGGGACGCTGCCTTTGAAACGG  
 CTGCCTAGCCTACCCCTATGGCTGCTTTCTGCGGAAATATGTTTGTGGAGCCGGGCGAG  
 CAGTGTGACTGTGGCTTCTGGATGACTGCGTGCATCCCTGCTGTGATTCTTTGACCTGC  
 CAGCTGAGGCCAGGTGCACAGTGTGCATCTGACGGACCCTGTTGTCAAAATTTGCCAGCTG  
 CGCCCGTCTGGCTGGCAGTGTGCTCCTACCAGAGGGGATTGTGACTTGCCTGAATTCTGC  
 CCAGGAGACAGCTCCCAGTGTCCCCTGATGTCAGCCTAGGGGATGGCGAGCCCTGCGCT  
 GGGGGCAAGCTGTGTGCATGCACGGGCTTGTGCTCCTATGCCAGCAGTGCCAGTCA  
 CTTTGGGGACCTGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACCGTAATACTCGG  
 GGAATGCTTTTGGGAGCTGTGGGCGCAACCCAGTGGCAGTTATGTGCTCTGCACCCCT  
 AGAGATGCCATTTGTGGGAGCTCCAGTCCAGACAGGTAGGACCCAGCCTCTGCTGGGC  
 TCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGGGACTGAGCTGAACTGCAGC  
 TGGGTGCACCTGGACCTGGGAGTGTGTTGGCCAGCCCTCCTGACTCTGCCTGGCACA  
 GCCTGTGGCCCTGGCCTGGTGTATAGACCATCGATGCCAGCGTGTGGATCTCCTGGGG  
 GCACAGGAATGTCGAAGCAAATGCCATGGACATGGGGTCTGTGACAGCAACAGGCACTGC  
 TACTGTGAGGAGGGCTGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCC  
 CTGACCACAGGGCTGCTCCTCAGCCTCCTGGTCTTATTGGTCTGGTGTGCTTGGTGGC  
 AGCTACTGGTACCGTGCCCGCTGCACCAAGCAGCTCTGCCAGCTCAAGGGACCCACCTGC  
 CAGTACAGGGCAGCCCAATCTGGTCCCTCTGAACGGCCAGGACCTCCGACAGAGGGCCCTG  
 CTGGCACGAGGCACTAAGTCTCAGGGGCAAGCCCAAGCCCAAGGAAGGCACTG  
 CCTGCCGACCCCAAGGGCCGGTGCCTATCGGGTACTGCCCAGGCGCCAGGGGCTGGAATC  
 CCGCCCTAGTGGTACCCTCCAGACCAGCGCCACCGCCTCCGACAGTGTCTCGCTCTAC  
 CTCTGACCTCTCCGAGGTTCCGCTGCCTCAAGCCGACTTAGGGCTTCAAGAGGCGGG  
 CGTGCCCTCTGGAGTCCCTACCATGACTGAAGGCGCCAGAGACTGGCGGTGTCTTAAGA  
 CTCCGGGCACCGCACGCGCTGTCAAGCAACACTCTGCGGACCTGCCGGGTAGTTGCAG  
 CGGGGGCTTGGGAGGGGCTGGGGGTTGGACGGGATTGAGGAAGTCCGCACAGCCTGTC  
 TCTGCTCAGTTGCAATAAACGTGACATCTTGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003815

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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_003815.3</a></u> , <u><a href="#">NP_003806.3</a></u>
<b>RefSeq Size:</b>	2823 bp
<b>RefSeq ORF:</b>	2445 bp
<b>Locus ID:</b>	8751
<b>UniProt ID:</b>	<u><a href="#">Q13444</a></u>
<b>Cytogenetics:</b>	1q21.3
<b>Domains:</b>	Reprolysin, DISIN, Pep_M12B_propep, ACR
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Gene Summary:</b>	<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 (2) lacks two in-frame coding exons compared to variant 6. The resulting isoform (2) lacks an internal region, as compared to the longest isoform (6).</p>