

Product datasheet for **SC337288**

ADAM2 (NM_001278113) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM2 (NM_001278113) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM2
Synonyms:	CRYN1; CRYN2; CT15; FTNB; PH-30b; PH30; PH30-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278113, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCGCGTCTTGTTCCTGCTCAGCGGGCTCGGCGGGCTCGGGATGGACAGTAATTTTGATGTTTAC
CTGTGCAAATTACAGTCCGGAGAAAAACGGTCAATAATAAAGGAAGGAATTGAATCGCAGGCATCCTA
CAAAATTGTAATTGAAGGGAAACCATATACTGTGAATTTAATGCAAAAAAATTTTTACCCATAATTTT
AGAGTTTACAGTTATAGTGGCACAGGAATTATGAAACCACTTGACCAAGATTTTCAGAATTTCTGCCACT
ACCAAGGGTATATTGAAGGTTATCCAAAATCTGTGGTGTGGTTAGCACATGACTGGACTCAGGGGCGT
ACTACAGTTTGAAAATGTTAGTTATGGAATAGAACCCTGGAGTCTTCAGTTGGCTTTGAACATGTAATT
TACCAAGTAAACATAAGAAAGCAGATGTTTCTTATATAATGAGAAGGATATTGAATCAAGAGATCTGT
CCTTTAAATTACAAGCGTAGAGTATAATCATATGGGGTCTGATACAACTGTTGTCGCTCAAAAAGTTTT
CCAGTTGATTGGATTGACGAATGCTATTTTTGTTTCATTAATATTACAATTATTCTGTCTTCATTGGAG
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TTATGTTGGTGCAACCTTCAAGGGAAGATGTGTGATGCAAACTATGCAGGAGGTGTTGTTCTGCACCCC
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ATGATGACATTAACAAATGCCAGTGCTCAGGAGCTGTCTGCATTATGAATCCAGAAGCAATTCATTTAG
TGGTGTGAAGATCTTTAGTAAGTGCAGCTTCAAGACTTTGCACATTTTATTTCAAAGCAGAAGTCCAG
TGTCTTCAACAATCAGCCTCGCTTAGATCCTTTTTTCAAACAGCAAGCAGTGTGTGGTAATGCAAAGCTGG
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TGCCACATGTAGATTTAAAGCCGGTCAAACCTGTGCTGAAGGACCATGCTGCGAAAACGTCTATTTATG
TCAAAAGAAAGAATGTGTAGGCCTTCCTTTGAAGAATGCGACCTCCCTGAATATTGCAATGGATCATCTG
CATCATGCCAGAAAACCACTATGTTTCAAGACTGGGCATCCGTGTGGACTGAATCAATGGATCTGTATAGA
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GAATGTTATTCTCACCTAATTCAAAGACTGATGTATCTGAAAACCTGTGGTATAAGTGAATCAGGATACA
CACAGTGTGAAGCTGACAATCTGCAGTGCAGAAAATTAATATGAAATATGTAGGTAAATTTTTATTACA
AATTCAGAGCCACTATTTTATGCCAACATAAGTGGACATCTCTGCATTGCTGTGGAATTTGCCAGT
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ATCAAAGATGTGTGAGTCTTCATACTTGGGTTATGATTGTAAGTACTGACAAATGCAATGATAGAGGTGT
ATGCAATAACAAAAGCACTGTCACTGTAGTGCTTCATTTACCTCCAGATTGCTCAGTCAATCAGAT
CTATGGCCTGGTGGGAGTATTGACAGTGCAATTTCCACCTGTAGCTATACCAGCCAGACTCCCTGAAA
GGCGCTACATTGAGAACATTTACCATTCAAACCAATGAGATGGCCATTTTTCTTATTCTCTTTCTT
TATTATTTCTGTGACTGATTGCTATAATGGTGAAAGTAAATTTCAAAGGAAAAAATGGAGAAGTGAAG
GACTATTCAAGCGATGAGCAACCTGAAAGTGAGAGTGAACCTAAAGGGTAG
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001278113

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:	<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_001278113.1 , NP_001265042.1
RefSeq Size:	2627 bp
RefSeq ORF:	2151 bp
Locus ID:	2515
UniProt ID:	Q99965
Cytogenetics:	8p11.22
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. The encoded protein is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) lacks an internal in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>