

## Product datasheet for **SC337175**

### **ADAM2 (NM\_001278114) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAM2 (NM_001278114) 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)



[View online »](#)

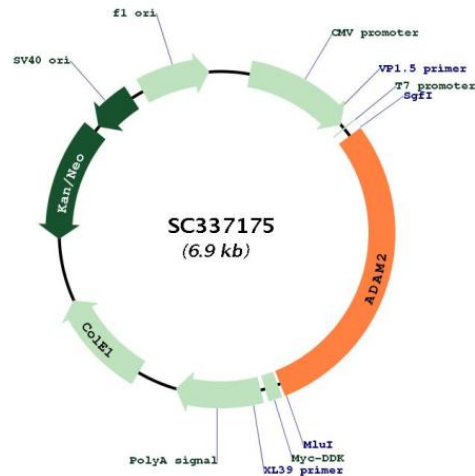
**Fully Sequenced ORF:** >SC337175 representing NM\_001278114.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTGGCGCGTCTTGTTCCTGCTCAGCGGGCTCGGCGGGCTCGGGATGGACAGTAATTTTGATAGTTTA
CCTGTGCAAATTACAGTCCGGAGAAAAACGGTCAATAATAAAGGAAGGAATTGAATCGCAGGCATCC
TACAAAATTGTAATTGAAGGAAAACCATATACTGTGAATTTAATGCAAAAAAATTTTTACCCATAAT
TTAGAGTTTACAGTTATAGTGGCACAGGAATTATGAAACCACTTGACCAAGATTTTCAGAAATTTCTGC
CACTACCAAGGTATATTGAAGTTATCCAAAATCTGTGGTGATGGTTAGCACATGTACTGGACTCAGG
GGCGTACTACAGTTTAAAAATGTAGTTATGGAATAGAACCCTGGAGTCTTCAGTTGGCTTTGAACAT
GTAATTTACCAAGTAAACATAAGAAAGCAGATGTTTCCTTATATAATGAGAAGGATATTGAATCAAGA
GATCTGCTCTTTAAATTACAAGCGTAGAGCCACAGCAAGATTTTGCAAAGTATATAGAAATGCATGTT
ATAGTTGAAAAACAATTGTATAATCATATGGGGTCTGATACAACCTGTTGTCGCTCAAAAAGTTTTCCAG
TTGATTGGATTGACGAATGCTATTTTTGTTTCATTTAATTACAATTATTCTGTCTTCATTGGAGCTT
TGGATAGATGAAAATAAAATTGCAACCCTGGAGAAGCTAATGAGTTATTACACACATTTTTAAGATGG
AAAACATCTTATCTTGTTTTACGTCCTCATGATGTGGCATTTTTTACTTGTTTACAGAGAAAAGTCAAA
TATGTTGGTGCAACCTTTCAAGGGAAGATGTGTGATGCAAACTATGCAGGAGGTGTTGTTCTGCACCCC
AGAACCATAAGTCTGGAATCACTTGCACTTATTTAGCTCAATTATTGAGCCTTAGTATGGGGATCACT
TATGATGACATTAACAAATGCCAGTGTCTCAGGAGCTGTCTGCATTATGAATCCAGAAGCAATTCATTT
AGTGGTGTGAAGATCTTTAGTAACTGCAGCTTCGAAGACTTTGCACATTTTATTTCAAAGCAGAAGTCC
CAGTGTCTTACAATCAGCCTCGCTTAGATCCTTTTTTCAAACAGCAAGCAGTGTGTGGTAAATGCAAAG
CTGGAAGCAGGAGAGAGTGTGACTGTGGGACTGAACAGGATTGTGCCCTTATTGGAGAAAACATGCTGT
GATATTGCCACATGTAGATTTAAAGCCGGTTCAAACCTGTGCTGAAGGACCATGCTGCCAAAACCTGTCTA
TTTTATGTCAAAGAAAAGATGTGTAGGCCCTTCTTTGAAGAATGCGACCTCCCTGAATATTGCAATGGA
TCATCTGCATCATGCCAGAAAACCACTATGTTACAGACTGGGCATCCGTGTGGACTGAATCAATGGATC
TGTATAGATGGAGTTTGTATGAGTGGGGATAAACAATGTACAGACACATTTGGCAAAGAAGTAGAGTTT
GGCCCTTCCAGAAATGTTATTCTCACCTTAATTCAAAGACTGATGTATCTGGAACTGTGGTATAAGTGAT
TCAGGATACACACAGTGTGAAGTTTGCAGGAATCAAAGATGTGTGAGTTCTTCACTTGGGTTATGAT
TGTACTACTGACAAATGCAATGATAGAGGTGTATGCAATAACAAAAGCACTGTCACTGTAGTGCTTCA
TATTTACCTCCAGATTGCTCAGTTCAATCAGATCTATGGCCTGGTGGGAGTATTGACAGTGGCAATTTT
CCACCTGTAGCTATACCAGCCAGACTCCCTGAAAGGCGCTACATTGAGAACATTTACCATTCCAAACCA
ATGAGATGGCCATTTTTCTTATTCATTCCTTTCTTTATTTTCTGTGTACTGATTGCTATAATGGTG
AAAGTTAATTTCAAAGGAAAAAATGGAGAAGTGAAGACTATTCAAGCGATGAGCAACCTGAAAGTGAG
AGTGAACCTAAAGGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-Mlul

## Plasmid Map:



ACCN: NM\_001278114

Insert Size: 2019 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\\_001278114.1](#)

RefSeq Size: 2495 bp

RefSeq ORF: 2019 bp

Locus ID: 2515

UniProt ID: [Q99965](#)

Cytogenetics: 8p11.22

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 75.6 kDa

**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 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]

Transcript Variant: This variant (3) uses an alternate splice site and lacks an internal exon in the coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.