OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC314828

ADAM22 (NM_004194) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM22 (NM_004194) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM22
Synonyms:	ADAM 22; DEE61; EIEE61; MDC2
Vector:	pCMV6 series

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_004194, the custom clone sequence may differ by one or more nucleotides

ATGCAGGCGGCAGTGGCTGTGTCCGTGCCCTTCTTGCTGCTCTGTGTCCTGGGGACCTGC
CCTCCGGCGCGCTGCGGCCAGGCAGGAGACGCCTCATTGATGGAGCTAGAGAAGAGGAAG
GAAAACCGCTTCGTGGAGCGCCAGAGCATCGTGCCACTGCGCCTCATCTACCGCTCGGGC
GGCGAAGACGAAAGTCGGCACGACGCGCTCGACACGCGGGTGCGGGGCGACCTCGGTGGC
CCGCAGTTGACTCATGTTGACCAAGCAAGCTTCCAGGTTGATGCCTTTGGAACGTCATTC
ATTCTCGATGTCGTGCTAAATCATGATTTGCTGTCCTCTGAATACATAGAGAGACACATT
GAACATGGAGGCAAGACTGTGGAAGTTAAAGGAGGAGAGCACTGTTACTACCAGGGCCAT
ATCCGAGGAAACCCTGACTCATTTGTTGCATTGTCAACATGCCACGGACTTCATGGGATG
TTCTATGACGGGAACCACACATATCTCATTGAGCCAGAAGAAAATGACACTACTCAAGAG
GATTTCCATTTTCATTCAGTTTACAAATCCAGACTGTTTGAATTTTCCTTGGATGATCTT
CCATCTGAATTTCAGCAAGTAAACATTACTCCATCAAAATTTATTTTGAAGCCAAGACCA
AAAAGGAGTAAACGGCAGCTTCGTCGATATCCTCGTAATGTAGAAGAAGAAACCAAATAC
ATTGAACTGATGATTGTGAATGATCACCTTATGTTTAAAAAACATCGGCTTTCCGTTGTA
CATACCAATACCTATGCGAAATCTGTGGTGAACATGGCAGATTTAATATATAAAGACCAA
CTTAAGACCAGGATAGTATTGGTTGCTATGGAAACCTGGGCGACTGACAACAAGTTTGCC
ATATCTGAAAATCCATTGATCACCCTACGTGAGTTTATGAAATACAGGAGGGATTTTATC
AAAGAGAAAAGTGATGCAGTTCACCTTTTTTCGGGAAGTCAATTTGAGAGTAGCCGGAGC
GGGGCAGCTTATATTGGTGGGATTTGCTCGTTGCTGAAAGGAGGAGGCGTGAATGAATTT
GGGAAAACTGATTTAATGGCTGTTACACTTGCCCAGTCATTAGCCCATAATATTGGTATT
ATCTCAGACAAAAGAAAGTTAGCAAGTGGTGAATGTAAATGCGAGGACACGTGGTCCGGG
TGCATAATGGGAGACACTGGCTATTATCTTCCTAAAAAGTTCACCCAGTGTAATATTGAA
GAGTATCATGACTTCCTGAATAGTGGAGGTGGTGCCTGCCTTTTCAACAAACCTTCTAAG
CTTCTTGATCCTCCTGAGTGTGGCAATGGCTTCATTGAAACTGGAGAGGAGTGTGATTGT
GGAACCCCGGCCGAATGTGTCCTTGAAGGAGCAGAGTGTTGTAAGAAATGCACCTTGACT
CAAGACTCTCAATGCAGTGACGGTCTTTGCTGTAAAAAGTGCAAGTTTCAGCCTATGGGC
ACTGTGTGCCGAGAAGCAGTAAATGATTGTGATATTCGTGAAACGTGCTCAGGAAATTCA
AGCCAGTGTGCCCCTAATATTCATAAAATGGATGGATATTCATGTGATGGTGTTCAGGGA
ATTTGCTTTGGAGGAAGATGCAAAACCAGAGATAGACAATGCAAATACATTTGGGGGCAA
AAGGTGACAGCATCAGACAAATATTGCTATGAGAAACTGAATATTGAAGGGACGGAGAAG
GGTAACTGTGGGAAAGACAAAGACACATGGATACAGTGCAACAAACGGGATGTGCTTTGT
GGTTACCTTTTGTGTACCAATATTGGCAATATCCCAAGGCTTGGAGAACTCGATGGTGAA
ATCACATCTACTTTAGTTGTGCAGCAAGGAAGAACATTAAACTGCAGTGGTGGGCATGTT
AAGCTTGAAGAAGATGTAGATCTTGGCTATGTGGAAGATGGGACACCTTGTGGTCCCCAA
ATGATGTGCTTAGAACACAGGTGTCTTCCTGTGGCTTCTTTCAACTTTAGTACTTGCTTG
AGCAGTAAAGAAGGCACTATTTGCTCAGGAAATGGAGTTTGCAGTAATGAGCTGAAGTGT
GTGTGTAACAGACACTGGATAGGTTCTGATTGCAACACTTACTTCCCTCACAATGATGAT
GCAAAGACTGGTATCACTCTGTCTGGCAATGGTGTTGCTGGCACCAATATCATAATAGGC
ATAATTGCTGGCACCATTTTAGTGCTGGCCCTCATATTAGGAATAACTGCGTGGGGTTAT
AAAAACTATCGAGAACAGAGACAGTTACCCCAGGGAGATTATGTAAAAAAGCCTGGAGAT
GGTGACTCTTTTTATAGCGACATTCCTCCCGGAGTCAGCACAAACTCAGCATCTAGTTCT
AAGAAGAGGTCAAATGGGCTCTCTCATTCTTGGAGTGAAAGGATTCCAGACACAAAACAT
ATTTCAGACATCTGTGAAAATGGGCGACCTCGAAGTAACTCTTGGCAAGGTAACCTGGGA
GGCAACAAAAAGAAAATCAGAGGCAAAAGATTTAGACCTCGGTCTAATTCAACTGAG

Restriction Sites: Please inquire

ACCN: NM_004194

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:	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_004194.2, NP_004185.1
RefSeq Size:	2744 bp
RefSeq ORF:	2580 bp
Locus ID:	53616
UniProt ID:	Q9P0K1
Cytogenetics:	7q21.12
Domains:	Reprolysin, DISIN, Pep_M12B_propep, ACR
Protein Families:	Druggable Genome, Protease, 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. Unlike other members of the ADAM protein family, the protein encoded by this gene lacks metalloprotease activity since it has no zinc-binding motif. This gene is highly expressed in the brain and may function as an integrin ligand in the brain. In mice, it has been shown to be essential for correct myelination in the peripheral nervous system. Alternative splicing results in several transcript variants.[provided by RefSeq, Dec 2010] Transcript Variant: This variant (4), also known as beta, uses an alternate splice site in the 3' coding region and lacks two downstream exons, compared to variant 1. The resulting protein (isoform 4) has a shorter and distinct C-terminus, compared to isoform 1. The encoded isoform (4) may undergo proteolytic processing.