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Product datasheet for SC123949

ADAMTS8 (NM_007037) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS8 (NM_007037) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTS8
Synonyms:	ADAM-TS8; METH2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_007037, the custom clone sequence may differ by one or more nucleotides

ATGCTCCCCGCCCCCGCCGCCCCCCGGTGGCCTCCGCTCCTGCTGCTGCTGCTGCTGCTGCCGCTGG
CCCGCGGCGCCCCGGCCCGGCCCGCAGCCGGGGGGCAGGCCTCGGAGCTGGTGGTGCCCACGCGGTTGCC
CGGCAGCGCGGGCGAGCTCGCGCTCCACCTGTCCGCCTTCGGCAAGGGCTTCGTGCTGCGCCTGGCGCCC
GACGACAGCTTCCTAGCGCCCGAGTTCAAGATCGAGCGCCTCGGGGGCTCCGGCCGGGCGACCGGGGGCG
AGCGGGGGCTGCGCGGCTGCTTCTTCTCCGGCACCGTGAATGGGGAGCCCGAGTCGCTGGCGGCGGTCAG
CCTGTGCCGCGGGCTGAGCGGCTCCTTCCTGCTGGACGGCGAGGAGTTCACCATCCAGCCGCAGGGCGCG
GGGGGCTCCCTGGCTCAGCCGCACCGCCTGCAGCGCTGGGGTCCCGCCGGAGCCCGCCCCCTCCCGCGAG
GACCCGAGTGGGAGGTGGAGACGGGAGAGGGTCAGAGGCAGGAGAGAGGAGACCACCAGGAGGACAGCGA
GGAGGAGAGCCAAGAAGAGGAGGCAGAAGGCGCTAGCGAGCCGCCACCGCCCCTGGGGGCCACGAGTAGG
ACCAAGCGGTTTGTGTCTGAGGCGCGCTTCGTGGAGACGCTGCTGGTGGCCGATGCGTCCATGGCTGCCT
TCTACGGGGCCGACCTGCAGAACCACATCCTGACGTTAATGTCTGTGGCAGCCCGAATCTACAAGCACCC
CAGCATCAAGAATTCCATCAACCTGATGGTGGTAAAAGTGCTGATCGTAGAAGATGAAAAATGGGGCCCA
GAGGTGTCCGACAATGGGGGGCTTACACTGCGTAACTTCTGCAACTGGCAGCGGCGTTTCAACCAGCCCA
GCGACCGCCACCCAGAGCACTACGACACGGCCATCCTGCTCACCAGACAGAACTTCTGTGGGCAGGAGGG
GCTGTGTGACACCCTGGGTGTGGCAGACATCGGGACCATTTGTGACCCCAACAAAAGCTGCTCCGTGATC
GAGGATGAGGGGCTCCAGGCGGCCCACACCCTGGCCCATGAACTAGGGCACGTCCTCAGCATGCCCCACG
ACGACTCCAAGCCCTGCACACGGCTCTTCGGGCCCATGGGCAAGCACCACGTGATGGCACCGCTGTTCGT
CCACCTGAACCAGACGCTGCCCTGGTCCCCCTGCAGCGCCATGTATCTCACAGAGCTTCTGGACGGCGGG
CACGGAGACTGTCTCCTGGATGCCCCTGCTGCGGCCCTGCCCCTCCCCACAGGCCTCCCGGGCCGCATGG
CCCTGTACCAGCTGGACCAGCAGTGCAGGCAGATCTTTGGGCCGGATTTCCGCCACTGCCCCAACACCTC
TGCTCAGGACGTCTGCGCCCAGCTTTGGTGCCACACTGATGGGGCTGAGCCCCTGTGCCACACGAAGAAT
GGCAGCCTGCCCTGGGCTGACGGCACGCCGTGCGGGCCTGGGCACCTCTGCTCAGAAGGCAGCTGTCTAC
CTGAGGAGGAAGTGGAGAGGCCCAAGCCCGTGGCAGATGGAGGCTGGGCACCGTGGGGACCCTGGGGAGA
ATGTTCTCGGACCTGTGGAGGAGGAGTACAGTTTTCACACCGTGAGTGCAAGGACCCCGAGCCTCAGAAT
GGAGGAAGATACTGCCTGGGTCGGAGAGCCAAGTACCAGTCATGCCACACGGAGGAATGCCCCCCTGACG
GGAAAAGCTTCAGGGAGCAGCAGTGTGAGAAGTATAATGCCTACAATTACACTGACATGGACGGGAATCT
CCTGCAGTGGGTCCCCAAGTATGCTGGGGTGTCCCCCCGGGACCGCTGCAAGTTGTTCTGCCGAGCCCGG
GGGAGGAGCGAGTTCAAAGTGTTCGAGGCCAAGGTGATTGATGGCACCCTGTGTGGGCCAGAAACACTGG
CCATCTGTGTCCGTGGCCAGTGTGTCAAGGCCGGCTGTGACCATGTGGTGGACTCGCCTCGGAAGCTGGA
CAAATGCGGGGTGTGTGGGGGCAAAGGCAACTCCTGCAGGAAGGTCTCCGGGTCCCTCACCCCCACCAAT
TATGGCTACAATGACATTGTCACCATCCCAGCTGGTGCCACTAATATTGACGTGAAGCAGCGGAGCCACC
CGGGTGTGCAGAACGATGGGAACTACCTGGCGCTGAAGACGGCTGATGGGCAGTACCTGCTCAACGGCAA
CCTGGCCATCTCTGCCATAGAGCAGGACATCTTGGTGAAGGGGACCATCCTGAAGTACAGCGGCTCCATC
GCCACCCTGGAGCGCCTGCAGAGCTTCCGGCCCTTGCCAGAGCCTCTGACAGTGCAGCTCCTGACAGTCC
CTGGCGAGGTCTTCCCCCCAAAAGTCAAATACACCTTCTTTGTTCCTAATGACGTGGACTTTAGCATGCA
GAGCAGCAAAGAGAGAGCAACCACCAACATCATCCAGCCGCTGCTCCACGCACAGTGGGTGCTGGGGGAC
TGGTCTGAGTGCTCTAGCACCTGCGGGGCCGGCTGGCAGAGGCGAACTGTAGAGTGCAGGGACCCCTCCG
GCCAGGCCTCTGCCACCTGCAACAAGGCTCTGAAACCCGAGGATGCCAAGCCCTGCGAAAGCCAGCTGTG
CCCCCTGTGA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_007037 unedited
ACGACGACTATAGGGCGGCCGCGAATTCGGCACGAGGCGGGCTGCGCCAGCCAGAGGGGC
CGCCGGGGGAGCGCTCCCGCCGCCGGGCCCCGCGGGCCGAGTCGGCCTTGCACCCGATTG
ATTCCGCTTTTCCTGGAGAGAGCGGCCGGGCCGCGCTCGGGCCGCCAGCACCTGCCCGCG
CCTGGCGGGCTTCTTCCCTCTCCTGCGCGCAGCCACCGCCGCAGCCCCCATGCTCCCCGC
CCCCGCCGCCCCCCGGTGGCCTCCGCTCCTGCTGCTGCTGCTGCTGCCGCTGGCCCG
CGGCGCCCCGGCCCGGCCCGCAGCCGGGGGGCAGGCCTCGGAGCTGGTGGTGCCCACGCG
GTTGCCCGGCAGCGCGGGCGAGCTCGCGCTCCACCTGTCCGCCTTCGGCAAGGGCTTCGT
GCTGCGCCTGGCGCCCGACGACAGCTTCCTGGCGCCCGACTTCAAGATCGAGCGCCTCGG
GGGCTCCGGCCGGGCGACCGGGGGCGAGCGGGGGCTGCGCGGCTGCTTCTTCTCCGGCAC
CGTGAATGGGGAGCCCGAGTCGCTGGCGGCGGTCAGCCTGTGCCGCGGGCTGAACGGCTC
CTTTCTGCTGGACGGCGAGGAGTTCACCATCCAACCCCAAGGCGCCGGGGGGCTTCCCTG
GCTTAACCGCAACGGCCTGCAAGGGCTGGGGTTCCCCGCGGGAACCCGGCCCCCTTCCCG
CGAAGG
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Restriction Sites: Please inquire

ACCN: NM_007037

Insert Size: 4000 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_007037.3, NP_008968.3

RefSeq Size: 4028 bp

RefSeq ORF: 2670 bp

Locus ID: 11095

UniProt ID: Q9UP79

Cytogenetics: 11q24.3

Protein Families: Druggable Genome, Protease, Secreted Protein

Gene Summary: This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme contains two C-terminal TS motifs, and disrupts angiogenesis in vivo. A number of disorders have been mapped in the vicinity of this gene, most notably lung neoplasms. Reduced expression of this gene has been observed in multiple human cancers and this gene has been proposed as a potential tumor suppressor. [provided by RefSeq, Feb 2016]