

## Product datasheet for **SC125873**

### ADAMTSL2 (NM\_014694) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTSL2 (NM_014694) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTSL2
Synonyms:	ADAMTSL-2; GPHYSD1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC125873 sequence for NM\_014694 edited (data generated by NextGen Sequencing)

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ATGGATGGCAGATGGCAATGTTCTCTGCTGGGCCTGGTTCTCTGCTGGTTCCTGGCAGTTGTAGCTGGGGACA
CAGTGTCAACCGGGTCCACGGACAACAGCCCAACATCCAATAGCCTGGAGGGGGCACCACGCCACGGC
CTTCTGGTGGGGGAGTGGACCAAGTGGACGGCGTGTCCCGCAGTTGCGGGGGTGGGGTACATCCAG
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CGTCTCTTCAACTCCCACGTGTACAACGGGCGGACGCACCAGTGGAAAGCCTCTGTACCCGGATGACTAT
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GGCACTGGTACTACAGCAAGGCGTGTGCCGCTCTGCAGGCCCCCCACTCCTAG
    
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Clone variation with respect to NM\_014694.3  
 774:t=>c 840:t=>a 859:c=>a 2313:g=>a

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014694 unedited NGGGTTCAAAATTGTATACGACTCATATAGGCGGCCGCGNAATCCCGGGATATCGTCGAC CCACGCGTCCGCGCCGTGCCCCCGCAGCGCTCGCCCCCTTCTCTGGGAGGACAACT GCTGACCCGAAGCCAGGGTCTGCCAGACAACCAGACCAACTAGTCCCAGATAACCTTGA GGCCTGGGCACTGGCTGGGCCCGAGGGCTCTTCCCAAAGCGTACCCTGGTCATCTGGAA GAGGATCGGAGCTGGCCTGGTGGTGACAGTGGCCTTGCTTCTAGGATGGATGGCAGATG GCAATGTTCTGCTGGGCTGGTTCCTGCTGGTCTGGCAGTTGTAGCTGGGGACACAGT GTCAACCGGGTCCACGGACAACAGCCCAACATCCAATAGCCTGGAGGGGGCACCAGCGC CACGGCCTTCTGGTGGGGGAGTGGACCAAGTGGACGGCGTGTCCCGCAGTTGCGGGGG TGGGGTGACATCCCAGGAGCGGCACTGCCTGCAGCAGAGGAGGAAGTCCGTCGCGGGCCC CGGGAACAGGACCTGCACGGGCAGTCCAAGCGGTACCAGCTCTGCAGAGTGCAGGAGTG TCCGCCGACGGGAGGAGCTTCCGCGAGGAGCAGTGCCTCTCTCAACTCCCACGTGTA CAACGGGCGGACGCACCAGTGAAGCCTCTGTACCCGGATGACTATGTCCACATCTCCAG CAAACCGTGTGACCTGCACTGTACCACCGTGGACGGCCAGCGGCAGCTCATGGTCCCCGC CCGCGACGGCACATCCTGCAAGCTCACTGACCTGCNNAGGGTTTGCCTGTCTGGNAAATG TGAGCCCATCGGCTGTGACGGGGTGCTTTCTCCACCCACCACTGGACAGTGTGGCATCT GC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014694
<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>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_014694.2</a></u> , <u><a href="#">NP_055509.2</a></u>
<b>RefSeq Size:</b>	3740 bp
<b>RefSeq ORF:</b>	2856 bp
<b>Locus ID:</b>	9719
<b>UniProt ID:</b>	<u><a href="#">Q86TH1</a></u>
<b>Cytogenetics:</b>	9q34.2
<b>Domains:</b>	tsp_1
<b>Protein Families:</b>	Secreted Protein

**Gene Summary:**

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) and ADAMTS-like 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 protein encoded by this gene lacks the protease domain, and is therefore of a member of the the ADAMTS-like protein subfamily. It is a secreted glycoprotein that binds the cell surface and extracellular matrix; it also interacts with latent transforming growth factor beta binding protein 1. Mutations in this gene have been associated with geleophysic dysplasia. [provided by RefSeq, Feb 2009]

Transcript Variant: This variant (1) represents the shorter transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.