

Product datasheet for **RG216988**

ADAMTSL1 (NM_001040272) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ADAMTSL1 (NM_001040272) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ADAMTSL1
Synonyms: ADAMTSL-1; ADAMTSR1; C9orf94; PUNCTIN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG216988 representing NM_001040272
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATGCTGCCGTCGGGCAACTCTGGCACACTGCTCCTTTCTGGCTTTCCTGCTCCTGAGTTCCA
GGACCGCACGCTCCGAGGAGGACCGGGACGGCCTATGGGATGCCTGGGGCCCATGGAGTGAATGCTCAG
CACCTGCGGGGTGGGCCTCTACTCTGAGGCGCTGCCTGAGCAGCAAGAGCTGTGAAGGAAGAAAT
ATCCGATACAGAACATGCAGTAATGTGGACTGCCACCAGAAGCAGGTGATTTCCGAGCTCAGCAATGCT
CAGCTCATAATGATGTCAAGACCATGGCCAGTTTATGAATGGCTTCTGTGTCTAATGACCCTGACAA
CCCATGTTCACTCAAGTCCAAGCCAAAGGAACAACCCTGGTTGTTGAACTAGCACCTAAGTCTTAGAT
GGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216988 representing NM_001040272
Red=Cloning site Green=Tags(s)

MECCRRATPGTLLLFLAFLLLSSRTARSEEDRDGLWDAWGPWSECSRTCGGGASYSLRRLSSKSCEGRN
IRYRTCSNVDCPPEAGDFRAQQCSAHNDVKHHGQFYEWLPVSNPDNPCSLKCQAKGTTLVVELAPKVL
D

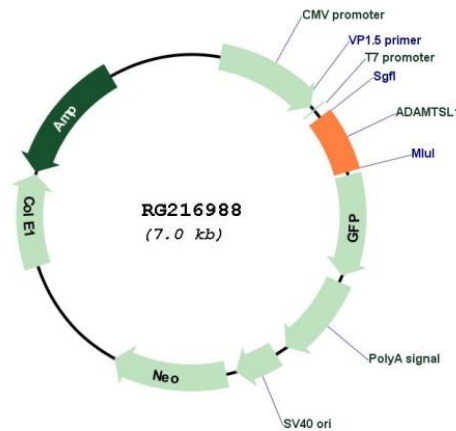
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001040272

ORF Size: 5286 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001040272.4, NP_001035362.3</u>
RefSeq Size:	7818 bp
RefSeq ORF:	5289 bp
Locus ID:	92949
UniProt ID:	<u>Q8N6G6</u>
Cytogenetics:	9p22.2-p22.1
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a secreted protein and member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) family. This protein lacks the metalloproteinase and disintegrin-like domains, which are typical of the ADAMTS family, but contains other ADAMTS domains, including the thrombospondin type 1 motif. This protein may have important functions in the extracellular matrix. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2008]