

Product datasheet for **RG239961**

ADAMTSL4 (NM_001288608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTSL4 (NM_001288608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAMTSL4
Synonyms:	ADAMTSL-4; ECTOL2; TSRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239961 representing NM_001288608. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAAGTGGACTGGCAGGCCCTGGCTGTATCTGCTGCTGCTTCTGTCCCTCCCTCAGCTCTGCTTG
GATCAGGAGGTGTGTCCGGACACTCTCTTCCAGACACCTACAGAGGAGGGCCAGGGCCCCGAAGGTGTC
TGGGGACCTTGGGTCCAGTGGGCTCTTCTCCAGCCCTGCGGGGTGGGGTGCAGCGCAGGAGCCGG
ACATGTCAGTCCCTACAGTGCAGCTCCACCCGAGTCTGCCCTCCCTCCCGGCCCCCAAGACATCCA
GAAGCCCTCCTCCCCGGGGCCAGGGTCCAGACCCAGACTTCTCCAGAAACCTCCCTTGTACAGG
ACACAGTCTCGGGGAAGGGTGGCCACTTCGAGGTCCCGCTTCCACCTAGGGAGAGAGAGACCCAG
GAGATTCGAGCGGCCAGGAGTCCCGGCTTCGAGACCCATCAAGCCAGGAATGTTCCGTTATGGGAGA
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GGCAGCCCCAAACTGAGCTCCCTCCCACAGAAGTGTCTGTCCACACCCCATCCCCCAAGCAGAACCT
CTAAGCCCTGAACTGCTCAGACAGAGGTGGCCCCAGAACCCAGGCTGCCCCCTACGGCATCACCCC
AGAGCCCAGGCCCTTGCCACAGAGCCCCCTCACCCACGCACTCCTTAGGAGAAGGTGGCTTCTCCGT
GCATCCCCTCAGCCACGAAGGCCAAGTCCAGGGTGGGCCAGTCCCAGGTAGCAGGGAGACGCCCT
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TGTCGCCTTGTTTCGGGGAACCTCACTGACCGAGGGGGCCCCCTGGGCTATCAGAAGATCTTGTGGATT
 CCAGCGGGAGCCTTGC GGCTCCAGATTGCCAGCTCCGGCCTAGCTCCAACCTACCTGGCACTTCTGTGGC
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 AGCTCTCCACATTGCCCCCTGGTGGTACAGGCCGGCTCTGCGTCTACCCCTACTACACAGCCACCTGT
 TGCCGCTCTTGCGCACATGTCTGGAGCGGTCTCCCCAGGATCCCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239961
 Blue=ORF Red=Cloning site Green=Tag(s)

MENWTGRPWLYLLLLSLPQLCLDQEVLSGHSLSQTPTEEGQGPEGVWGPVWQWASCSQPCGVGVQRRSR
 TCQLPTVQLHPSLPLPPRPPRHPEALLPRGQGRPQTSPETLPL YRTQSRGRGGPLRGPASHLGREETQ
 EIRAARRSRLRDPKPGMFGYGRVPFALPLHRNRHRSPPRSELSLSSRGEEAIPSPTPRAEPFSAN
 GSPQTELPPEL SVHTSPQAEPLSPETAQTEVAPRTRPAPLRHHPRAQASGTEPPSPHSLGEGGFFR
 ASPQRRPSSQGWASPVAGRRPDPFSPVPRGRGQGGPWTGGTTPHGPRLEPDPQHPGAWLPLL SNG
 PHASSLWSLFA PSSIPRCSGESEQLRACSQAPCPPEQDPRALQCAAFNSQEFMGQLYQWEPFTEAPL
 LPLRHAFLLPGAGSGDSTGVQGSQRCELNCRPRGFRFYVRHTEKVQDGLCQPGAPD ICVAGRCLSPG
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 ISSPPP ILENPTPEPPVQLQPEILRVEPLAPAPRPARTPGTLQRQVRIPQMPAPPHPRTPLGSPAAY
 WKRVGHSACASCSGKGVWRPIFLCISRESGEELDERSCAAGARPPASPEPCHGTPCPPYWEAGEWTS
 RSCGPGTQHRQLQCRQEFGGGSSVPPERCGHLPRPNITQSCQLRLCGHWEVGS PWSQCSVRCGRGQRS
 RQVRCVGNNGDEVSEQECASGPPQPPSREACDMGPCTTAWFHSDWSSKCSAECGTGIQRRSVVCLGSGA
 ALGPGQGEAGAGTGQSCPTGSRPPDMRACSLGPCERTWRWYTPWGECSSECGSGTQRDDIICVSKLGT
 EFNVTSPSNC SHLPRPALQPCQQAQDRWFSTPWSPCSRSCQGGTQTRVQCLSTNQTLSTRCPPLQ
 RPSRKRPCNSQPCSRPDDQCKDSSPHCLLVQARL CVYPYYTATCCRSCAHVLERSPQDPS

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGFSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001288608

ORF Size: 3291 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).

RefSeq: [NM_001288608.2](#)

RefSeq Size: 4331 bp

RefSeq ORF: 3294 bp

Locus ID: 54507

UniProt ID: [Q6UY14](#)

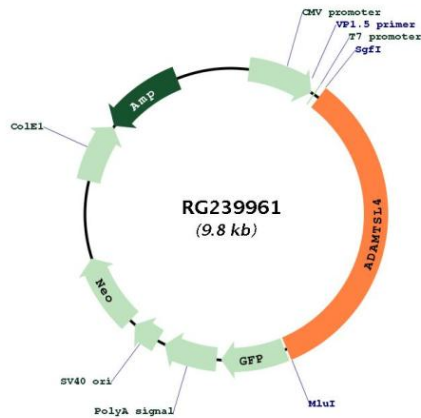
Cytogenetics: 1q21.2

Protein Families: Secreted Protein

MW: 119.3 kDa

Gene Summary:

This gene is a member of ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs)-like gene family and encodes a protein with seven thrombospondin type 1 repeats. The thrombospondin type 1 repeat domain is found in many proteins with diverse biological functions including cellular adhesion, angiogenesis, and patterning of the developing nervous system. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Sep 2014]

Product images:


Circular map for RG239961