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Product datasheet for RG221003

ADAMTSL5 (NM_213604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTSL5 (NM_213604) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAMTSL5
Synonyms:	THSD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG221003 representing NM_213604
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTCGGCCCCTCTGTTCCCCAGGCCCCACCTCTTCCAGAACCTCCTGCTCTTCCTGTGGGCCCTGC
TGAACTGTGGTTTGGGGGTCAGTGCTCAGGGTCCGGGCGAGTGGACCCCGTGGGTGTCCTGGACCCGCTG
CTCCAGCTCCTGCGGGCGTGGCGTCTCCGTGCGCAGCCGGCGCTGCCTCCGGCTTCCTGGGGAAGAACCG
TGCTGGGGAGACTCCCATGAGTACCGCCTCTGCCAGTTGCCAGACTGCCCCCCAGGGGCTGTGCCCTTCC
GAGACCTACAGTGTGCCCTGTACAATGGCCGCCCTGTCCTGGGCACCCAGAAGACCTACCAGTGGGTGCC
CTTCCATGGGGCGCCCAACCAGTGCGACCTCAACTGCCTGGCTGAGGGGCACGCCTTCTACCACAGCTTC
GGCCGCGTCCTGGACGGCACCGCCTGCAGCCCGGGTGCCCAGGGGGTCTGCGTGGCTGGCCGCTGCCTTA
GCGCCGGCTGTGATGGGTTGTTGGGCTCGGGTGCCCTCGAGGACCGCTGTGGCCGCTGCGGAGGCGCCGA
CGACTCGTGCCTTTTCGTGCAGCGCGTGTTTCGTGACGCCGGTGCCTTCGCTGGGTACTGGAACGTGACC
CTGATCCCCGAGGGCGCCAGACACATCCGCGTGGAACACAGGAGCCGCAACCACCTGGCACTGATGGGGG
GCGATGGGCGCTACGTGCTTAATGGGCACTGGGTGGTCAGCCCACCAGGGACCTACGAGGCGGCCGGCAC
GCATGTGGTCTACACCCGAGACACAGGGCCCCAGGAGACATTGCAAGCAGCCGGGCCCACCTCCCATGAC
CTGCTCCTACAGGTCCTCCTGCAGGAGCCCAACCCTGGCATCGAGTTTGAGTTCTGGCTCCCTCGGGAGC
GCTACAGCCCCTTCCAGGCTCGTGTGCAGGCCCTGGGCTGGCCCCTGAGGCAGCCTCAGCCCCGGGGGGT
GGAGCCTCAGCCCCCCGCAGCCCCTGCTGTCACCCCTGCACAGACCCCAACGCTGGCCCCAGACCCCTGC
CCACCCTGCCCTGACACCCGCGGCCGCGCCCACCGACTACTCCACTATTGCGGCAGTGACTTTGTGTTCC
AGGCCCGAGTGCTGGGCCACCACCACCAGGCCCAGGAGACCCGCTATGAGGTGCGCATCCAGCTCGTCTA
CAAGAACCGCTCGCCACTGCGGGCACGCGAGTACGTGTGGGCGCCAGGCCACTGCCCCTGCCCGATGCTG
GCACCCCACCGGGACTACCTGATGGCTGTCCAGCGTCTTGTCAGCCCCGACGGCACACAGGACCAGCTGC
TGCTGCCCCACGCCGGCTACGCCCGGCCCTGGAGCCCTGCGGAGGACAGCCGCATACGCCTGACTGCCCG
GCGCTGTCCTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

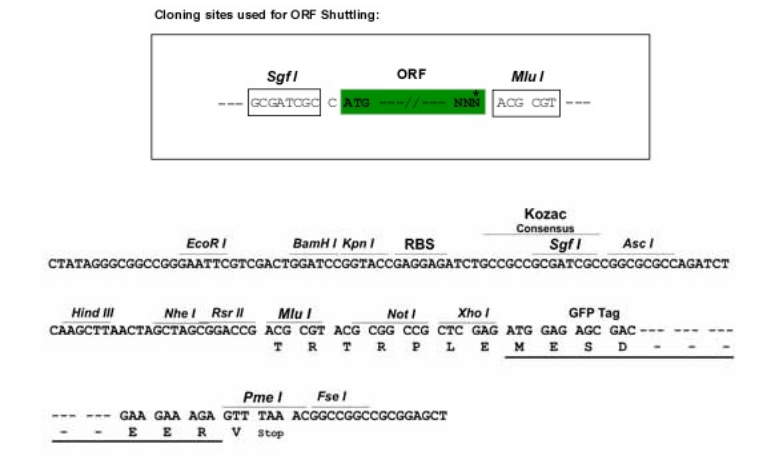
>RG221003 representing NM_213604
Red=Cloning site Green=Tags(s)

MDSAPLFPRPHLFQNLLLFLWALLNCGLGVSAQGPGEWTPWVSWTRCSSSCGRGVSVRSRRCLRLPGEEP
CWGDSHEYRLCQLPDCPPGAVPFRDLQCALYNGRPVLGTQKTYQWVPFHGAPNQCDLNCLAEGHAFYHSF
GRVLDGTACSPGAQGVCVAGRCLSAGCDGLLGSGALEDRCGRCGGADDSCLFVQRVFRDAGAFAGYWNVT
LIPEGARHIRVEHRSRNHLALMGGDGRYVLNGHWVVSPPGTYEAAGTHVVYTRDTGPQETLQAAGPTSHD
LLLQVLLQEPNPGIEFEFWLPRERYSPFQARVQALGWPLRQPQPRGVEPQPPAAPAVTPAQTPTLAPDPC
PPCPDTRGRAHRLLHYCGSDFVFQARVLGHHHQAQETRYEVRIQLVYKNRSPLRAREYVWAPGHCPCPML
APHRDYLMAVQRLVSPDGTQDQLLLPHAGYARPWSPAEDSRIRLTARRCPG

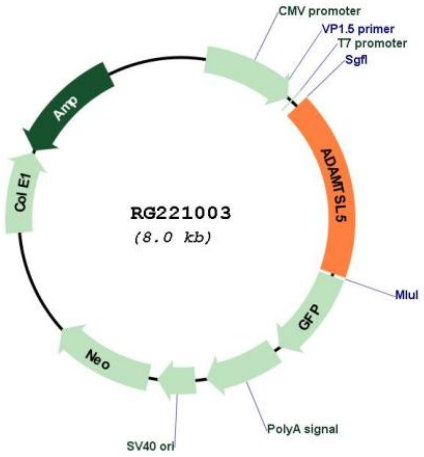
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_213604
ORF Size:	1413 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:	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_213604.1, NP_998769.1
RefSeq Size:	2682 bp
RefSeq ORF:	1416 bp
Locus ID:	339366
UniProt ID:	Q6ZMM2
Cytogenetics:	19p13.3
Protein Families:	Secreted Protein
Gene Summary:	May play a role in modulation of fibrillin microfibrils in the extracellular matrix (ECM). [UniProtKB/Swiss-Prot Function]