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Product datasheet for RG216750

ADAMTS17 (NM_139057) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS17 (NM_139057) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAMTS17
Synonyms:	WMS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216750 representing NM_139057 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGTGACGGCGCCCTGCTGCCTCCGCTCGTCCTGCCCGTGCTGCTGCTGCTGGTTTGGGGACTGGACC CGGGCACAGCTGTCGGCGACGCGGCGGCCGACGTGGAGGTGGTGCTCCCGTGGCGGGTGCGCCCCGACGA CGTGCACCTGCCGCCGCTGCCCGCAGCCCCCGGGCCCCGACGGCGGCGACGCCCCCGCACGCCCCCAGCC GCCCCGCGCGCCCGGCCCGGAGAGCGCGCCCTGCTGCTGCACCTGCCGGCCTTCGGGCGCGACCTGTACC TTCAGCTGCGCCGCGACCTGCGCTTCCTGTCCCGAGGCTTCGAGGTGGAGGAGGCGGGCGCGGCCCGGCG CCGCGGCCGCCCCGCCGAGCTGTGCTTCTACTCGGGCCGTGTGCTCGGCCACCCCGGCTCCCTCGTCTCG CTCAGCGCCTGCGGCGCCGCCGGCGGCCTGGTTGGCCTCATTCAGCTTGGGCAGGAGCAGGTGCTAATCC AGCCCCTCAACAACTCCCAGGGCCCATTCAGTGGACGAGAACATCTGATCAGGCGCAAATGGTCCTTGAC CCCCAGCCCTTCTGCTGAGGCCCAGAGACCTGAGCAGCTCTGCAAGGTTCTAACAGAAAAGAAGAAGCCG ACGTGGGGCAGGCCTTCGCGGGACTGGCGGGAGCGGAGGAACGCTATCCGGCTCACCAGCGAGCACACGG TGGAGACCCTGGTGGTGGCCGACGCCGACATGGTGCAGTACCACGGGGCCGAGGCCGCCCAGAGGTTCAT CCTGACCGTCATGAACATGGTATACAATATGTTTCAGCACCAGAGCCTGGGGATTAAAATTAACATTCAA GTGACCAAGCTTGTCCTGCTACGACAACGTCCCGCTAAGTTGTCCATTGGGCACCATGGTGAGCGGTCCC TGGAGAGCTTCTGTCACTGGCAGAACGAGGAGTATGGAGGAGCGCGATACCTCGGCAATAACCAGGTTCC CGGCGGGAAGGACGACCCGCCCCTGGTGGATGCTGCTGTGTTTGTGACCAGGACAGATTTCTGTGTACAC AAAGATGAACCGTGTGACACTGTTGGAATTGCTTACTTAGGAGGTGTGTGCAGTGCTAAGAGGAAGTGTG TGCTTGCCGAAGACAATGGTCTCAATTTGGCCTTTACCATCGCCCATGAGCTGGGCCACAACTTGGGCAT GAACCACGACGATGACCACTCATCTTGCGCTGGCAGGTCCCACATCATGTCAGGAGAGTGGGTGAAAGGC CGGAACCCAAGTGACCTCTCTTGGTCCTCCTGCAGCCGAGATGACCTTGAAAACTTCCTCAAGTCAAAAG TCAGCACCTGCTTGCTAGTCACGGACCCCAGAAGCCAGCACACAGTACGCCTCCCGCACAAGCTGCCGGG CATGCACTACAGTGCCAACGAGCAGTGCCAGATCCTGTTTGGCATGAATGCCACCTTCTGCAGAAACATG

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GAGCATCTAATGTGTGCTGGACTGTGGTGCCTGGTAGAAGGAGACACATCCTGCAAGACCAAGCTGGACC
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AGCGCTGCTGCCAGACCTGCAGGGACTTCTATGCAAACAAGATGCGCCAGCCACCGCCGAGCTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216750 representing NM_139057
Red=Cloning site Green=Tags(s)

MCDGALLPPLVLPVLLLLVWGLDPGTAVGDAAADVEVVLPWRVRPDDVHLPPLPAAPGPRRRRRPRTPPA
APRARPGERALLLHLPAFGRDLYLQLRRDLRFLSRGFEVEEAGAARRRGRPAELCFYSGRVLGHPGSLVS
LSACGAAGGLVGLIQLGQEQVLIQPLNNSQGPFSGREHLIRRKWSLTPSPSAEAQRPEQLCKVLTEKKKP
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DQDYGIHYEYTVPVNRTAENQSEPEKPQDSLFIWTHSGWEGCSVQCGGGERRTIVSCTRIVNKTTTLVND
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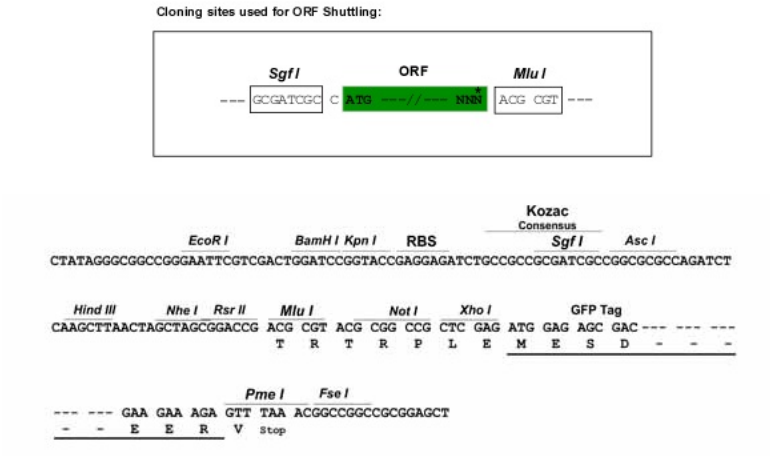
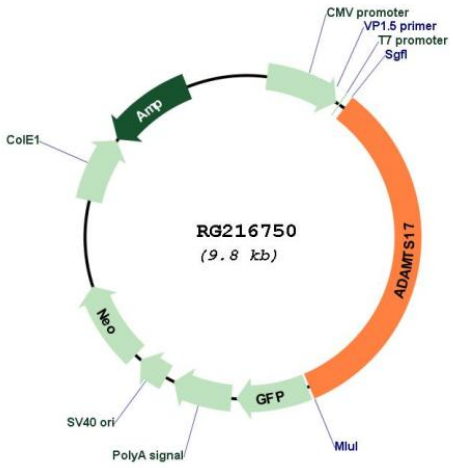
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_139057
ORF Size:	3285 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_139057.1, NP_620688.1
RefSeq Size:	3470 bp
RefSeq ORF:	3288 bp
Locus ID:	170691
UniProt ID:	Q8TE56
Cytogenetics:	15q26.3
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. ADAMTS family members 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 protein, which may promote breast cancer cell growth and survival. Mutations in this gene are associated with a Weill-Marchesani-like syndrome, which is characterized by lenticular myopia, ectopia lentis, glaucoma, spherophakia, and short stature. [provided by RefSeq, May 2016]