

Product datasheet for **RG215901**

ADAMTS10 (NM_030957) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS10 (NM_030957) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAMTS10
Synonyms:	ADAM-TS10; ADAMTS-10; WMS; WMS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215901 representing NM_030957 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGCTCCCGCTGCCAGATCCTCCGCTGGGCCCTCGCCCTGGGGCTGGGCCTCATGTTTCGAGGTACGC
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ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215901 representing NM_030957
 Red=Cloning site Green=Tags(s)

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MAPACQILRWALALGLMFEVTHAFRSQDEFLLSSLESYEIAFPTRVDHNGALLAFSPPPRRQRRTGGA
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TRTRPLE – GFP Tag – V

Restriction Sites:

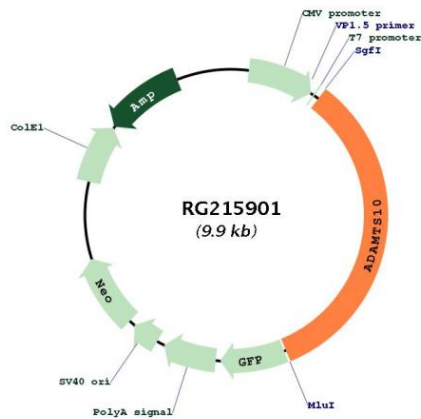
SgfI-MluI

Cloning Scheme:


ACCN:	NM_030957
ORF Size:	3309 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_030957.2 , NP_112219.2
RefSeq Size:	4237 bp
RefSeq ORF:	3312 bp
Locus ID:	81794

UniProt ID:	Q9H324
Cytogenetics:	19p13.2
Domains:	tsp_1, Reprolysin, Pep_M12B_propep
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene belongs to the ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 motifs) family of zinc-dependent proteases. ADAMTS proteases are complex secreted enzymes containing a prometalloprotease domain of the reprolysin type attached to an ancillary domain with a highly conserved structure that includes at least one thrombospondin type 1 repeat. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. The product of this gene plays a major role in growth and in skin, lens, and heart development. It is also a candidate gene for autosomal recessive Weill-Marchesani syndrome. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215901