

Product datasheet for **MG221485**

Adamts7 (NM_001003911) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts7 (NM_001003911) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adamts7
Synonyms:	ADAM-; ADAM-TS7; ADAMTS7B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221485 representing NM_001003911 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**

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ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA

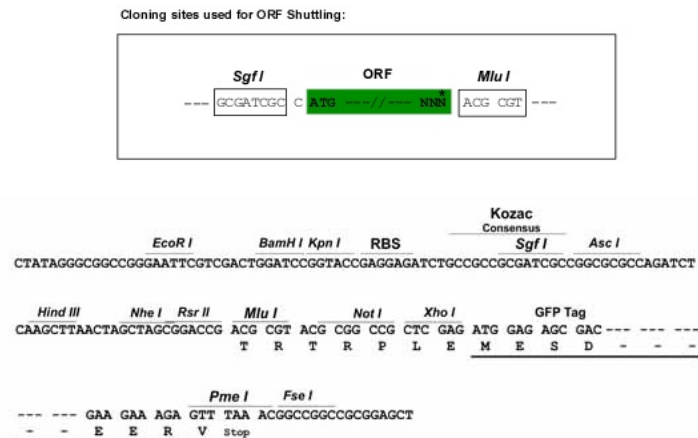
Protein Sequence: >MG221485 representing NM_001003911
 Red=Cloning site Green=Tags(s)

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 SHEAWPESSRPCATEDCELVPPRCERDRLSFNFCETLRLLGRCQLPTIRAQCCRSCPPLSRGVPSRGHQ
 RVARR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

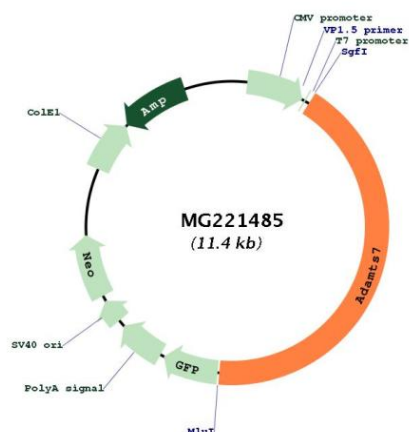
Cloning Scheme:



ACCN: NM_001003911

ORF Size:	4845 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_001003911.2 , NP_001003911.2
RefSeq Size:	5424 bp
RefSeq ORF:	4848 bp
Locus ID:	108153
Cytogenetics:	9 E3.1
Gene Summary:	This gene encodes a member of "a disintegrin and metalloproteinase with thrombospondin motifs" (ADAMTS) family of multi-domain matrix-associated metalloendopeptidases that have diverse roles in tissue morphogenesis and pathophysiological remodeling, in inflammation and in vascular biology. The encoded preproprotein undergoes proteolytic processing to generate an active, zinc-dependent enzyme that degrades cartilage oligomeric matrix protein. The deficiency of the encoded protein decreases atherosclerosis in genetically hyperlipidemic mice and in response to vascular injury. Alternative splicing results in multiple transcript variants encoding different isoforms, some of which may undergo similar processing. [provided by RefSeq, May 2016]

Product images:



Circular map for MG221485