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Product datasheet for RC217385

ADAMTS13 (NM_139027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS13 (NM_139027) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAMTS13
Synonyms:	ADAM-TS13; ADAMTS-13; C9orf8; vWF-CP; VWFCP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC217385 representing NM_139027 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCACCAGCGTCACCCCCGGGCAAGATGCCCTCCCCTCTGTGTGGCCGGAATCCTTGCCTGTGGCTTTC TCCTGGGCTGCTGGGGACCCTCCCATTTCCAGCAGAGTTGTCTTCAGGCTTTGGAGCCACAGGCCGTGTC TTCTTACTTGAGCCCTGGTGCTCCCTTAAAAGGCCGCCCTCCTTCCCCTGGCTTCCAGAGGCAGAGGCAG AGGCAGAGGCGGGCTGCAGGCGGCATCCTACACCTGGAGCTGCTGGTGGCCGTGGGCCCCGATGTCTTCC AGGCTCACCAGGAGGACACAGAGCGCTATGTGCTCACCAACCTCAACATCGGGGCAGAACTGCTTCGGGA CCCGTCCCTGGGGGCTCAGTTTCGGGTGCACCTGGTGAAGATGGTCATTCTGACAGAGCCTGAGGGTGCC CCAAATATCACAGCCAACCTCACCTCGTCCCTGCTGAGCGTCTGTGGGTGGAGCCAGACCATCAACCCTG AGGACGACACGGATCCTGGCCATGCTGACCTGGTCCTCTATATCACTAGGTTTGACCTGGAGTTGCCTGA TGGTAACCGGCAGGTGCGGGGCGTCACCCAGCTGGGCGGTGCCTGCTCCCCAACCTGGAGCTGCCTCATT ACCGAGGACACTGGCTTCGACCTGGGAGTCACCATTGCCCATGAGATTGGGCACAGCTTCGGCCTGGAGC ACGACGGCGCGCCCGGCAGCGGCTGCGGCCCCAGCGGACACGTGATGGCTTCGGACGGCGCCGCGCCCCG CGCCGGCCTCGCCTGGTCCCCCTGCAGCCGCCGGCAGCTGCTGAGCCTGCTCAGCGCAGGACGGGCGCGC TGCGTGTGGGACCCGCCGCGGCCTCAACCCGGGTCCGCGGGGCACCCGCCGGATGCGCAGCCTGGCCTCT ACTACAGCGCCAACGAGCAGTGCCGCGTGGCCTTCGGCCCCAAGGCTGTCGCCTGCACCTTCGCCAGGGA GCACCTGGATATGTGCCAGGCCCTCTCCTGCCACACAGACCCGCTGGACCAAAGCAGCTGCAGCCGCCTC CTCGTTCCTCTCCTGGATGGGACAGAATGTGGCGTGGAGAAGTGGTGCTCCAAGGGTCGCTGCCGCTCCC TGGTGGAGCTGACCCCCATAGCAGCAGTGCATGGGCGCTGGTCTAGCTGGGGTCCCCGAAGTCCTTGCTC CCGCTCCTGCGGAGGAGGTGTGGTCACCAGGAGGCGGCAGTGCAACAACCCCAGACCTGCCTTTGGGGGG CGTGCATGTGTTGGTGCTGACCTCCAGGCCGAGATGTGCAACACTCAGGCCTGCGAGAAGACCCAGCTGG AGTTCATGTCGCAACAGTGCGCCAGGACCGACGGCCAGCCGCTGCGCTCCTCCCCTGGCGGCGCCTCCTT CTACCACTGGGGTGCTGCTGTACCACACAGCCAAGGGGATGCTCTGTGCAGACACATGTGCCGGGCCATT GGCGAGAGCTTCATCATGAAGCGTGGAGACAGCTTCCTCGATGGGACCCGGTGTATGCCAAGTGGCCCCC

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Protein Sequence:

>RC217385 representing NM_139027
Red=Cloning site Green=Tags(s)

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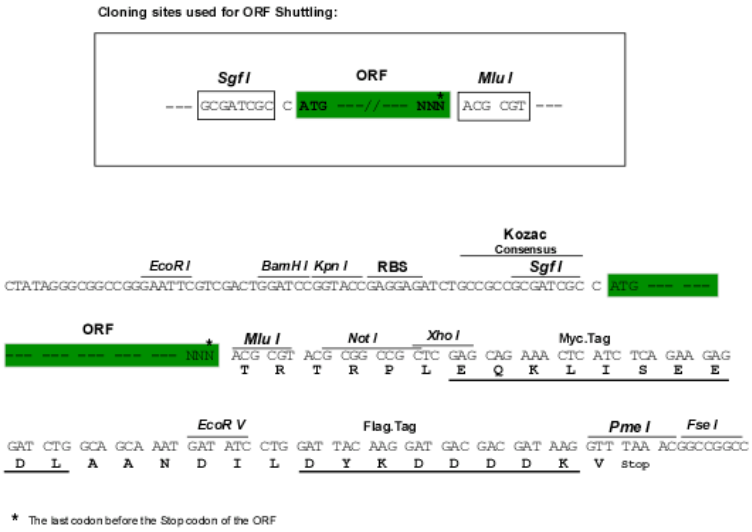
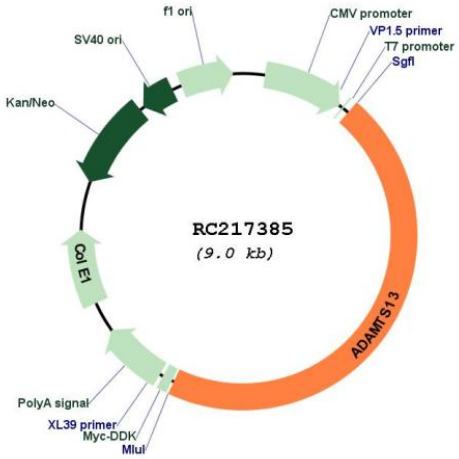
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_139027
ORF Size:	4113 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_139027.3, NP_620596.2
RefSeq Size:	4773 bp
RefSeq ORF:	4116 bp
Locus ID:	11093
UniProt ID:	Q76LX8
Cytogenetics:	9q34.2

Protein Families:	Secreted Protein, Transmembrane
MW:	147.8 kDa
Gene Summary:	This gene encodes a member of a family of proteins containing several distinct regions, including a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. The enzyme encoded by this gene specifically cleaves von Willebrand Factor (vWF). Defects in this gene are associated with thrombotic thrombocytopenic purpura. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]