ADAMTS10 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	ADAMTS10, Blocking Peptide
Full Product Name	ADAMTS10 Blocking Peptide
Product Gene Name	ADAMTS10 blocking peptide
Product Synonym Names	A disintegrin and metalloproteinase with thrombospondin motifs 10; A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10; A disintegrin-like and metallopeptidase with thrombospondin type 1 motif, 10; ADAM metallopeptidase with thrombospondin type 1 motif 10; ADAM TS10; ADAM-TS 10; ADAM-TS10; ADAMTS-10; Adamts10; ATS10_HUMAN; EC 3.4.24; WMS; WMS1; zinc metalloendopeptidase
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	ADAMTS10 peptide (MBS9628190) is used for blocking the activity of ADAMTS10 antibody (MBS9609486)
Molecular Weight	120,874 Da
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for ADAMTS10 blocking peptide	Blocking/Control
Related Product Information for ADAMTS10 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of ADAMTS10 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADAMTS10 purchase	MBS9628190 is a blocking peptide targeting ADAMTS10.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAMTS10. It may not necessarily be applicable to this product.

NCBI GI #	537544568
NCBI GeneID	81794
NCBI Accession #	NP_001269281.1
UniProt Primary Accession #	Q9H324
UniProt Secondary Accession #	M0QZE4

UniProt Related Accession #	Q9H324
GenBank Nucleotide #	NM_001282352.1
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 10 isoform 2
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif, 10
NCBI Official Symbol	ADAMTS10
NCBI Official Synonym Symbols	WMS; WMS1; ADAM-TS10; ADAMTS-10
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 10
Protein Family	A disintegrin and metalloproteinase with thrombospondin motifs
UniProt Gene Name	ADAMTS10
UniProt Synonym Gene Names	ADAM-TS 10; ADAM-TS10; ADAMTS-10
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 10; ADAM-TS 10; zinc metalloendopeptidase; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10
NCBI Summary for ADAMTS10	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]
UniProt Comments for ADAMTS10	Metalloprotease that participate in microfibrils assembly. Microfibrils are extracellular matrix components occurring independently or along with elastin in the formation of elastic tissues.
Research Articles on ADAMTS10	**1.** These findings support the Gly661Arg mutation of ADAMTS10 as the likely cause of POAG in beagles.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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