HAPLN1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	HAPLN1, Blocking Peptide
Full Product Name	HAPLN1 Peptide - N-terminal region
Product Gene Name	HAPLN1 blocking peptide
Product Synonym Gene Name	CRTL1
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	HAPLN1 peptide (MBS3231108) is used for blocking the activity of HAPLN1 antibody (MBS3206145)
Molecular Weight	40kDa
OMIM	115435
Product Categories/Family for HAPLN1 blocking peptide	Peptide
Applications Tested/Suitable for HAPLN1 blocking peptide	Western Blot (WB)
Related Product Information for HAPLN1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-HAPLN1 antibody made Target Description: HAPLN1 stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix.
Other Notes	Small volumes of HAPLN1 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 HAPLN1 purchase	MBS3231108 is a blocking peptide targeting HAPLN1. Also known as HAPLN1 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HAPLN1. It may not necessarily be applicable to this product.

NCBI GI #	4503053
NCBI GeneID	1404
NCBI Accession #	NP_001875
UniProt Primary Accession #	P10915
UniProt Related Accession #	P10915
GenBank Nucleotide #	NM_001884
NCBI Official Full Name	hyaluronan and proteoglycan link protein 1
NCBI Official Synonym Full Names	hyaluronan and proteoglycan link protein 1
NCBI Official Symbol	HAPLN1
NCBI Official Synonym Symbols	CRT1; CRTL1

UniProt Protein Name	Hyaluronan and proteoglycan link protein 1
UniProt Synonym Protein Names	Cartilage-linking protein 1; Cartilage-link protein; Proteoglycan link protein
Protein Family	Hyaluronan and proteoglycan link protein
UniProt Gene Name	HAPLN1
UniProt Synonym Gene Names	CRTL1; Cartilage-link protein
UniProt Entry Name	HPLN1_HUMAN
NCBI Protein Information	hyaluronan and proteoglycan link protein 1
UniProt Comments for HAPLN1	HAPLN1: Stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix. Belongs to the HAPLN family. Protein type: Extracellular matrix Chromosomal Location of Human Ortholog: 5q14.3 Cellular Component: extracellular matrix; proteinaceous extracellular matrix; extracellular region Molecular Function: extracellular matrix structural constituent; hyaluronic acid binding Biological Process: extracellular matrix organization and biogenesis; central nervous system development; cell adhesion; skeletal development
Research Articles on HAPLN1	**1.** HAPLN1 is produced in bone marrow stromal cells from multiple myeloma patients and can activate bortezomib-resistant NF-kappaB.
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