XYLT1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	XYLT1, Blocking Peptide
Full Product Name	XYLT1 Peptide - middle region
Product Gene Name	XYLT1 blocking peptide
Product Synonym Gene Name	PXYLT1; XT-I; XT1; XTI; XYLTI
Sequence	RITNWNRKLG CKCQYKHIVD WCGCSPNDFK PQDFHRFQQT ARPTFFARKF
Species Reactivity	Human
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	XYLT1 peptide (MBS3234535) is used for blocking the activity of XYLT1 antibody (MBS3209579)
Molecular Weight	107kDa
OMIM	608124
Product Categories/Family for XYLT1 blocking peptide	Peptide
Applications Tested/Suitable for XYLT1 blocking peptide	Western Blot (WB)
Related Product Information for XYLT1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-XYLT1 Antibody, made Target Description: This locus encodes a xylosyltransferase enzyme. The encoded protein catalyzes transfer of UDP-xylose to serine residues of an acceptor protein substrate. This transfer reaction is necessary for biosynthesis of glycosaminoglycan chains. Mutations in this gene have been associated with increased severity of pseudoxanthoma elasticum.
Other Notes	Small volumes of XYLT1 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 XYLT1 purchase	MBS3234535 is a blocking peptide targeting XYLT1. Also known as XYLT1 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XYLT1. It may not necessarily be applicable to this product.

NCBI GI #	28269693
NCBI GeneID	64131
NCBI Accession #	NP_071449
UniProt Primary Accession #	Q86Y38
UniProt Related Accession #	Q86Y38
GenBank Nucleotide #	NM_022166
NCBI Official Full Name	xylosyltransferase 1

NCBI Official Synonym Full Names	xylosyltransferase 1
NCBI Official Symbol	XYLT1
NCBI Official Synonym Symbols	XT1; XTI; XT-I; DBQD2; XYLTI; PXYLT1; xylT-I
UniProt Protein Name	Xylosyltransferase 1
UniProt Synonym Protein Names	Peptide O-xylosyltransferase 1; Xylosyltransferase I; XT-I; XylT-I
Protein Family	Xylosyltransferase
UniProt Gene Name	XYLT1
UniProt Synonym Gene Names	XT1; XT-I; XylT-I
UniProt Entry Name	XYLT1_HUMAN
NCBI Protein Information	xylosyltransferase 1
NCBI Summary for XYLT1	This locus encodes a xylosyltransferase enzyme. The encoded protein catalyzes transfer of UDP-xylose to serine residues of an acceptor protein substrate. This transfer reaction is necessary for biosynthesis of glycosaminoglycan chains. Mutations in this gene have been associated with increased severity of pseudoxanthoma elasticum.[provided by RefSeq, Nov 2009]
Research Articles on XYLT1	**1.** In conclusion, we identified two genes, DZIP1 and XYLT1, potentially associated with nonsyndromic high myopia using whole exome sequencing and subsequent mutation screening analysis.
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