

## Recombinant Human XYLT1 protein, His & T7-tagged

Cat. No. XYLT1-1709H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XYLT1 aa. (Gly773~Val910 (Accession # Q86Y38)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly773~Val910
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 19.0kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.
<b>Isoelectric Point</b>	7.1

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">XYLT1 xylosyltransferase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">XYLT1</a>
<b>Synonyms</b>	XYLT1; xylosyltransferase 1; XT1; XTI; XT-I; DBQD2; XYLTI; PXYLT1; xyIT-I; xylosyltransferase 1; beta-D-xylosyltransferase 1; peptide O-xylosyltransferase 1; xylosyltransferase I; xylosyltransferase iota
<b>Gene ID</b>	<a href="#">64131</a>
<b>mRNA Refseq</b>	<a href="#">NM_022166.3</a>
<b>Protein Refseq</b>	<a href="#">NP_071449.1</a>

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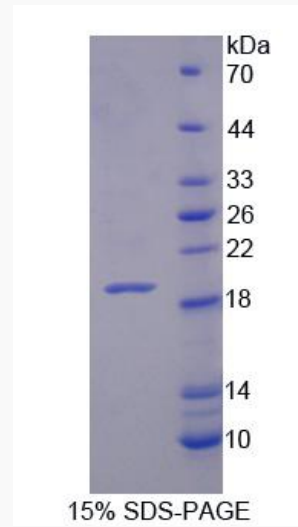
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UniProt ID


Q86Y38

SDS-PAGE



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