

Recombinant Human XYLT1 protein, His & T7-tagged

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

SPECIFICATION

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

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	7.1

GENE INFORMATION

Gene Name	XYLT1 xylosyltransferase 1 [Homo sapiens (human)]
Official Symbol	XYLT1
Synonyms	XYLT1; xylosyltransferase 1; XT1; XTI; XT-I; DBQD2; XYLTI; PXYLT1; xylT-I; xylosyltransferase 1; beta-D-xylosyltransferase 1; peptide O-xylosyltransferase 1; xylosyltransferase I; xylosyltransferase iota
Gene ID	64131
mRNA Refseq	NM_022166.3
Protein Refseq	NP_071449.1

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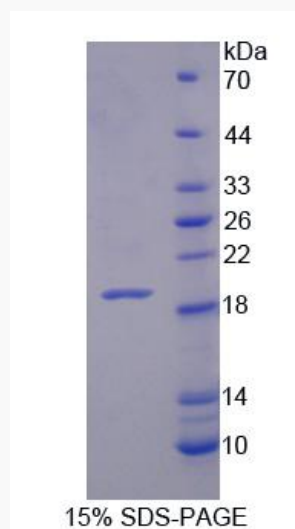
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UniProt ID

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SDS-PAGE

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