

Recombinant Human XYLT2 protein, His & T7-tagged

Cat. No. XYLT2-7937H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human XYLT2 aa. (Phe596~Arg865 (Accession # Q9H1B5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe596~Arg865
Description	The protein encoded by this gene is an isoform of xylosyltransferase, which belongs to a family of glycosyltransferases. This enzyme transfers xylose from UDP-xylose to specific serine residues of the core protein and initiates the biosynthesis of glycosaminoglycan chains in proteoglycans including chondroitin sulfate, heparan sulfate, heparin and dermatan sulfate. The enzyme activity, which is increased in scleroderma patients, is a diagnostic marker for the determination of sclerotic activity in systemic sclerosis. Alternatively spliced transcript variants have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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.

GENE INFORMATION

Gene Name	XYLT2 xylosyltransferase 2 [Homo sapiens (human)]
Official Symbol	XYLT2
Synonyms	XYLT2; xylosyltransferase 2; SOS; XT2; XT-II; PXYLT2; xylIT-II; UDP-D-xylose:proteoglycan core protein beta-D-xylosyltransferase; peptide O-xylosyltransferase 1; protein xylosyltransferase 2; xylosyltransferase II
Gene ID	64132

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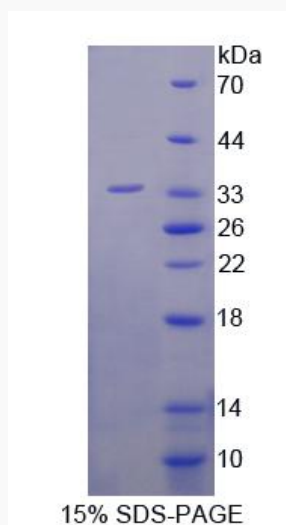
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mRNA Refseq [NM_022167.3](#)

Protein Refseq [NP_071450.2](#)

UniProt ID [Q9H1B5](#)

SDS-PAGE



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