

Recombinant Full Length Human EXT1 Protein, GST-tagged

Cat. No. EXT1-4446HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EXT1 full-length ORF (NP_000118.2, 1 a.a. - 746 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	746 amino acids
Description	This gene encodes an endoplasmic reticulum-resident type II transmembrane glycosyltransferase involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type I form of multiple exostoses. [provided by RefSeq, Jul 2008]
Molecular Mass	112.7 kDa
AA Sequence	MQAKKRYFILLSAGSCLALLFYFGGLQFRASRSHSRREEHSGRNGLHHPSPDHFWP RFPDALRPFVPWDQLENESSVHISPRQKRDANSSYKGGKCRMESCFDFTLCKKN GFKVYVYPQQKGEKIAESYQNILAAIEGSRFYTSDPSQACLFVLSLDTLDRDQLSPQY VHNLRSKVQSLHLWNNGRNLHIFNLYSGTWPDYTEDVGFDIGQAMLAKASISTENF RPNFDVSIPLFSKDHPRGTGGERGFLKFNTIPPLRKYMLVFKGKRYLTGIGSDTRNALY HVHNGEDVLLTTCKHGKDWQKHKDSRCDRDNTEYEKYDYREMLHNATFCLVPRG RRLGSFRFLEALQAACVPVMLSNGWELPFSEVINWNQAAVIGDERLLLQIPSTIRSIH QDKILALRQQTQFLWEAYFSSVEKIVLTLEIIQDRIFKHISRNSLIWNKHPGGFLVLPQ YSSYLGDFFPYYYANLGLKPPSKFTAVIHAVTPLVSQSQPVLKLLVAAAKSQYCAQIIVL

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WNCDKPLPAKHRWPATAVPVVVIEGESKVMSSRFLPYDNIITDAVLSLDEDTVLTSTT
 EVDFAFTVWQSFPERIVGYPARSHFWDNSKERWGYTSKWTNDYSMVLTGAAIYHK
 YYHYLYSHYLPASLKNMVDQLANCEDILMNFLVSAVTKLPPIKVTQKKQYKETMMGQ
 TSRASRWADPDHFAQRQSCMNTFASWFGYMPLIHSQMRDPVLFKDQVSILRKKY
 RDIERL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EXT1 exostosin 1 [Homo sapiens]

Official Symbol

EXT1

Synonyms

EXT1; exostosin 1; exostoses (multiple) 1 , Langer Giedion syndrome chromosome region , LGCR, LGS; exostosin-1; Glucuronosyl N acetylglucosaminyl proteoglycan 4 alpha N acetylglucosaminyltransferase; N acetylglucosaminyl proteoglycan 4 beta glucuronosyltransferase; ttv; exostoses (multiple) 1; multiple exostoses protein 1; putative tumor suppressor protein EXT1; Langer-Giedion syndrome chromosome region; N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase; Glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-

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acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; EXT;
LGS; TTV; LGCR; TRPS2;

Gene ID 2131

mRNA Refseq NM_000127

Protein Refseq NP_000118

MIM 608177

UniProt ID Q16394

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