

Recombinant Human EXT2, GST-tagged

Cat. No. EXT2-12604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EXT2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	This gene encodes one of two glycosyltransferases involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type II form of multiple exostoses. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	EXT2 exostosin 2 [Homo sapiens]
Official Symbol	EXT2

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Synonyms	EXT2; exostosin 2; exostoses (multiple) 2; exostosin-2; Glucuronosyl N acetylglucosaminyl proteoglycan 4 alpha N acetylglucosaminyltransferase; N acetylglucosaminyl proteoglycan 4 beta glucuronosyltransferase; SOTV; multiple exostoses protein 2; putative tumor suppressor protein EXT2; N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase; glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase;
Gene ID	2132
mRNA Refseq	NM_000401
Protein Refseq	NP_000392
MIM	608210
UniProt ID	Q93063
Chromosome Location	11p12-p11
Pathway	Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, organism-specific biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, conserved biosystem; Metabolic pathways, organism-specific biosystem; heparan sulfate biosynthesis, organism-specific biosystem; heparan sulfate biosynthesis, conserved biosystem;
Function	N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase activity; contributes_to acetylglucosaminyltransferase activity; glucuronosyl-N-

acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase activity;
glucuronosyltransferase acti

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