Recombinant Human EXTL1, His-tagged

Cat. No. EXTL1-12605H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EXTL1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	328-676a.a.
Description	This gene is a member of the multiple exostoses (EXT) family of glycosyltransferases, which function in the chain polymerization of heparan sulfate and heparin. The encod ed protein harbors alpha 1,4- N-acetylglucosaminyltransferase activity, and is involve d in chain elongation of heparan sulfate and possibly heparin.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	EXTL1 exostoses (multiple)-like 1 [Homo sapiens]
Official Symbol	EXTL1

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Synonyms	exostoses (multiple)-like 1; 3515; Ensembl:ENSG00000158008; MGC70794; exostosin-like 1;exostosin-L;multiple exostosis-like protein;alpha-N-acetylglucosaminyltransferase II;glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase;glucuronyl-N-acetylglucosaminylproteoglycan alpha-1,4-N- acetylglucosaminyltransferase;glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N- acetylglucosaminyltransferase; 2.4.1.224; EXTL
Gene ID	2134
mRNA Refseq	NM_004455.2
Protein Refseq	NP_004446.2
MIM	601738
UniProt ID	Q92935
Chromosome Location	1p36.1
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; heparan sulfate biosynthesis, organism-specific biosystem; heparan sulfate biosynthesis, conserved biosystem; heparan sulfate biosynthesis (late stages), organism-specific biosystem;
Function	glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase activity;

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