

Recombinant Human EXT1 Protein, His-tagged

Cat. No. EXT1-412H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EXT1(Cys334~Arg549) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys334~Arg549
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others.

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

Gene ID

2131

mRNA Refseq

NM_000127

Protein Refseq

NP_000118

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MIM	608177
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UniProt ID	Q16394
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