

Recombinant Human EXTL2 293 Cell Lysate

Cat. No. EXTL2-6494HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for exostoses (multiple)-like 2 (EXTL2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

EXTL2 exostoses (multiple)-like 2 [Homo sapiens]

Official Symbol

EXTL2

Synonyms

EXTL2; exostoses (multiple)-like 2; exostosin-like 2; alpha 1; 4 N acetylhexosaminyltransferase; alpha-GalNAcT EXTL2; EXT-related protein 2; processed exostosin-like 2; alpha-1,4-N-acetylhexosaminyltransferase; alpha-1,4-N-acetylhexosaminyltransferase EXTL2; glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; EXTR2;

Gene ID

2135

mRNA Refseq

NM_001033025

Protein Refseq

NP_001028197

MIM

602411

UniProt ID

Q9UBQ6

**Chromosome
Location**

1p21

Pathway

Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem;
Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem;

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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

alpha-1,4-N-acetylgalactosaminyltransferase activity; glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase activity; metal ion binding; transferase activity, transferring hexosyl groups;

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