Recombinant Human EXTL3 293 Cell Lysate

Cat. No. EXTL3-6493HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for exostoses (multiple)-like 3 (EXTL3) 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.
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

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	EXTL3 exostoses (multiple)-like 3 [Homo sapiens]
Official Symbol	EXTL3
Synonyms	EXTL3; exostoses (multiple)-like 3; exostosin-like 3; botv; REG receptor; REGR; reg receptor; EXT-related protein 1; multiple exostosis-like protein 3; putative tumor suppressor protein EXTL3; hereditary multiple exostoses gene isolog; glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase; REG; RPR; BOTV; EXTR1; KIAA0519; DKFZp686C2342;
Gene ID	2137
mRNA Refseq	NM_001440
Protein Refseq	NP_001431
MIM	605744
UniProt ID	O43909
Chromosome Location	8p22-p12
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem;

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	Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, organism-specific biosystem;
Function	glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase activity; metal ion binding; transferase activity, transferring hexosyl groups;

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