Recombinant Human LEPRE1 293 Cell Lysate

Cat. No. LEPRE1-4772HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for leucine proline-enriched proteoglycan (leprecan) 1 (LEPRE1), 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	LEPRE1 leucine proline-enriched proteoglycan (leprecan) 1 [Homo sapiens]
Official Symbol	LEPRE1
Synonyms	LEPRE1; leucine proline-enriched proteoglycan (leprecan) 1; prolyl 3-hydroxylase 1; GROS1; growth suppressor 1; LEPRECAN; MGC117314; P3H1; prolyl 3 hydroxylase 1; leprecan; leucine- and proline-enriched proteoglycan 1; OI8;
Gene ID	64175
mRNA Refseq	NM_001146289
Protein Refseq	NP_001139761
MIM	610339
UniProt ID	Q32P28
Chromosome Location	1p34.1
Function	L-ascorbic acid binding; binding; iron ion binding; metal ion binding; molecular_function; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors; oxidoreductase activity,

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	acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; procollagen-proline 3-dioxygenase activity;

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