

Recombinant Human PTCH1 293 Cell Lysate

Cat. No. PTCH1-2723HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for patched homolog 1 (Drosophila) (PTCH1), transcript variant 1b 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 [PTCH1 patched 1 \[Homo sapiens \]](#)

Official Symbol [PTCH1](#)

Synonyms [PTCH1](#); [patched 1](#); [NBCCS](#), [patched \(Drosophila\) homolog](#) , [patched homolog \(Drosophila\)](#) , [patched homolog 1 \(Drosophila\)](#) , [PTCH](#); [protein patched homolog 1](#); [BCNS](#); [PTCH protein +4](#); [PTCH protein -10](#); [PTCH protein +12b](#); [patched homolog 1](#); [PTCH protein -3,4,5](#); [PTC](#); [HPE7](#); [PTC1](#); [PTCH](#); [NBCCS](#); [PTCH11](#); [FLJ26746](#); [FLJ42602](#);

Gene ID [5727](#)

mRNA Refseq [NM_001083605](#)

Protein Refseq [NP_001077074](#)

MIM [601309](#)

UniProt ID [Q13635](#)

Chromosome Location [9q22.1-q31](#)

Pathway [Basal cell carcinoma, organism-specific biosystem](#); [Basal cell carcinoma, conserved biosystem](#); [Class B/2 \(Secretin family receptors\), organism-specific biosystem](#); [Endochondral Ossification, organism-specific biosystem](#); [GPCR ligand binding, organism-specific biosystem](#); [Glypican 3 network, organism-specific biosystem](#);

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Hedgehog Signaling Pathway, organism-specific biosystem;

Function

cholesterol binding; cyclin binding; hedgehog family protein binding; heparin binding; patched binding; protein binding; receptor activity; smoothened binding;

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