

Recombinant Human PTCH1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endochondral Ossification, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glypican 3 network, organism-specific biosystem; 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA