

Recombinant Human PTCH1 Protein, DDK-tagged

Cat. No. PTCH1-414H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTCH1(Met-Arg770-Trp1027), transcript variant 1b, fused with DDK tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Met-Arg770-Trp1027
Description	This gene encodes a member of the patched gene family. The encoded protein is the receptor for sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures and in tumorigenesis, as well as the desert hedgehog and indian hedgehog proteins. This gene functions as a tumor suppressor. Mutations of this gene have been associated with basal cell nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences and biological validity cannot be determined currently.
Form	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
Molecular Mass	30.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Concentration	>50 ug/mL as determined by microplate BCA method
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_000264
Protein Refseq	NP_000255
MIM	601309
UniProt ID	Q13635