

Specifications:

Gene:	hPTCH1
Accession:	AAC50550
Insert size:	4357bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

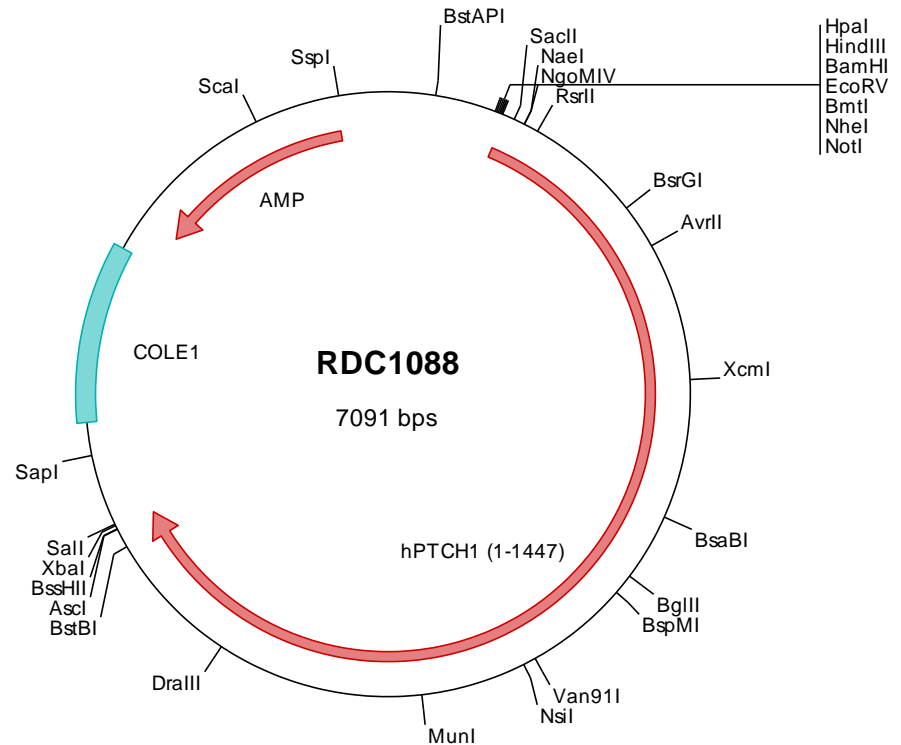
hPatched 1/PTCH cDNA Plasmid

PTCH1 patched 1 [*Homo sapiens* (human)]

Also known as: PTC; BCNS; HPE7; PTC1; PTCH; NBCCS; PTCH11

Summary:

PTCH1 is a member of the patched gene family. It 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. Upon Hedgehog binding to Patched, Smoothened is released and initiates downstream signaling. Mutations in PTCH1 have been associated with basal cell nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1088 Plasmid DNA Sequence

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> RDC1088 Translated Insert Sequence

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