

Product datasheet for **SC220803**

PTCH1 (NM_000264) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTCH1 (NM_000264) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTCH1
Synonyms:	BCNS; NBCCS; PTC; PTC1; PTCH
ACCN:	NM_000264
Insert Size:	2000 bp



[View online »](#)

Insert Sequence: >SC220803 3'UTR clone of NM_000264
 The sequence shown below is from the reference sequence of NM_000264. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGAGGCCCGGGGAAGCAGCTCCAACGAGGGTGATTAATAATCTGAAGCAAAGAGGCCAAAGATTGGA
AACCCCCACCCACCTCTTTCCAGAAGCTGTTGAAGAGAACTGGTTGGAGTTATGAAAAAGATGCC
TGTGCCAGGACAGCAGTTCATTGTTACTGTAACCGATTGTATTATTTGTTAAATATTTCTATAAATAT
TTAAGAGATGTACACATGTGTAATATAGGAAGGAAGGATGTAAGTGGTATGATCTGGGGCTTCCAC
TCCTGCCCCAGAGTGTGGAGGCCACAGTGGGGCTCTCCGTATTTGTGCATTGGGCTCCGTGCCACAAC
CAAGCTTCATTAGTCTTAAATTTACAGCATATGTTGCTGCTGCTTAAATATGTATAATTTACTTGTATA
ATTCTATGCAAAATATTGCTTATGTAATAGGATTATTTGTAAAGTTTCTGTTTAAATATTTTAAATT
TGCATATCACAACCTGTGGTAGTATGAAATGTTACTGTTAACTTTCAAACACGCTATGCGTGATAATT
TTTTTGTTAATGAGCAGATATGAAGAAAGCACGTTAATCCTGGTGGCTTCTCTAGGTGTCGTTGTGTG
CGTCCCTCTTGTGGTGTGCGTGTGAACACGTGTGTGAGTTCACCATGTAAGTGTACTGTACTGTGATTTTT
TTTTGTCTTGTGTTTCTCTACACTGTCTGTAACCTGTAGTAGGCTCTGACCTAGTCAGGCTGGGAG
CGTCAGGATATCTTTCTCGTGTGGTGGGGCTGGCCCTAAACATCCACCTAATCCTTTCAAATCAG
CCCGGCAAAGCTAGACTCTCCTCGTGTCTACGGCATCTCTTATGATCATTGGCTGCCATCCAGGACCC
CAATTTGTGCTTCAGGGGATAATCTCCTTCTCTCGGATCATTGTGATGGATGCTGGAACCTCAGGGTA
TGGAGCTCACATCAGTTCATCATGGTGGGTGTTAGAGAATTCGGTGACATGCCTAGTGTGAGCCTTGG
CTGGGCCATGAGAGTCTGTATACTCTAAAAGCATGCAGCATGGTGCCCTCTTCTGACCAACACACAC
ACGACCCCTCCCCAACACCCCAAAATTAAGAGTGGATGTGGCCCTGTACAGGTAGAAAAACCTATT
TAGTTAATTCTTTCTTGGCCACAGTCTCCAGAAATGATGTTTTGAGTCCCTATAGTTTAACTCCCT
CTCTAAATGGAGCAGCTGGTTGAGGCTTTCTAGATCTGTTTGCATCTTCTTTAAACTAAGTGGTGG
CATGCATTGTGGTGTAGAGGCAGGCATTATGTAGGATAAGAGCTCCGGGGGATTCTTATGCACCAAGT
GTTTAGGGTACGTGCTTCTAAGTAAATCCAAACATTGTCTCCATCCTCCCCGTCATTAGTGTCTTTT
AATGTGATGTGGGAAAGCAGGAGGATGGACACACCCCACTGAAAGATGTAGGCAGGGGCAGGTCTCTCA
ACCAGGCATATTTTAAAGTTGCTTCTGTACTGGTCTCTTCTTTTGTCTGAGGTGTGGGCTCCCTC
ATCTCGTAACCAGAGACCAGCACATGTACAGGAAGCAGTGTGGCTCCCCATCCAAATCCACACC
AGCACCTTGTACAGACAAGAAGTCAGAGGAAAGGGCGGGTCCCTGCAGGGCTGAAGCCTAAGCTACT
GTGAGGGCTCACGAGTGGCAGCTCCTGTTACTCCCTTTAAATTAACCTGGGAAATCTTAACAGAAAGG
TAATGGGCCCCAGAAATACCCACAGCATAGTGACCTCAGACCCTGATACTACCACAAAATTTTAAAG
ATGCTGATTGGGAGCCGCTTGTGGCTGTGGGTGTGTGTGTGTGTGTGCGTGCCTGCGTGTGTGTGT
GTCTCTGTGGGACCCTGGCCACCCCTGCTGCTGTCTTGGTGCCTGTACCCACATGGTCTGCCA
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000264.5](#)

Summary:

This gene encodes a member of the patched family of proteins and a component of the hedgehog signaling pathway. Hedgehog signaling is important in embryonic development and tumorigenesis. The encoded protein is the receptor for the secreted hedgehog ligands, which include sonic hedgehog, indian hedgehog and desert hedgehog. Following binding by one of the hedgehog ligands, the encoded protein is trafficked away from the primary cilium, relieving inhibition of the G-protein-coupled receptor smoothed, which results in activation of downstream signaling. Mutations of this gene have been associated with basal cell nevus syndrome and holoprosencephaly. [provided by RefSeq, Aug 2017]

Locus ID:

5727

MW:

74.5