

Recombinant Human SMO

Cat. No. SMO-31422TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 653-787 of Human Smoothed with an N terminal proprietary tag; Predicted MWt 40.48 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	135 amino acids
Description	The protein encoded by this gene is a G protein-coupled receptor that interacts with the patched protein, a receptor for hedgehog proteins. The encoded protein transduces signals to other proteins after activation by a hedgehog protein/patched protein complex.
Molecular Weight	40.480kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	NLWLVEAEISPELQKRLGRKKKRRKRKKEVCPLAPPELH PPAPAPSTIPRLPQLPR QKCLVAAGAWGAGDSCRQGAW TLVSNPFCPEPSPPQDPFLPSAPAPVAWAHGR RQGLGPIH SRTNLMDTELMADDSDF
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Sequence Similarities	Belongs to the G-protein coupled receptor Fz/Smo family.Contains 1 FZ (frizzled) domain.
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GENE INFORMATION

Gene Name	SMO smoothened, frizzled family receptor [Homo sapiens]
Official Symbol	SMO
Synonyms	SMO; smoothened, frizzled family receptor; SMOH, smoothened (Drosophila) homolog , smoothened homolog (Drosophila) , smoothened, seven transmembrane spanning receptor; smoothened homolog; frizzled family member 11; FZD11;
Gene ID	6608
mRNA Refseq	NM_005631
Protein Refseq	NP_005622
MIM	601500
Uniprot ID	Q99835
Chromosome Location	7q32.1
Pathway	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved

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biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Other, organism-specific biosystem;

Function

G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; drug binding;

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