

Recombinant Human SMO Protein, His-tagged

Cat. No. SMO-2707H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMO Protein (Ala30-Ile234) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala30-Ile234
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.9 kDa Accurate Molecular Mass: 31 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SMO smoothened, frizzled family receptor [Homo sapiens (human)]
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; protein Gx; seven transmembrane helix receptor; smoothened, seven transmembrane spanning receptor; Gx; SMOH;
Gene ID	6608
mRNA Refseq	NM_005631
Protein Refseq	NP_005622

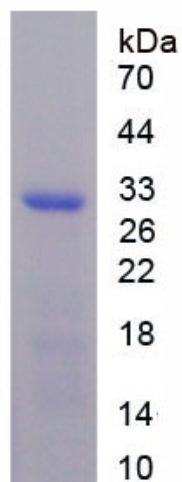
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MIM	601500
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UniProt ID	Q99835
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