

Recombinant Mouse Smo Protein, His-tagged

Cat. No. Smo-2084M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Smo Protein (Ala33-Ile238) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala33-Ile238
Description	Predicted to enable patched binding activity. Involved in several processes, including animal organ development; regulation of animal organ morphogenesis; and regulation of gene expression. Acts upstream of or within several processes, including animal organ development; positive regulation of cell population proliferation; and regionalization. Located in 9+0 non-motile cilium; ciliary membrane; and cytoplasm. Is expressed in several structures, including 1st branchial arch; 4-cell stage embryo; alimentary system; central nervous system; and genitourinary system. Used to study medulloblastoma and pulmonary emphysema. Human ortholog(s) of this gene implicated in basal cell carcinoma; hepatocellular carcinoma; pancreatic cancer; and pancreatic ductal carcinoma. Orthologous to human SMO (smoothened, frizzled class receptor).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.2 kDa Accurate Molecular Mass: 31 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 PBS or others.

GENE INFORMATION

Gene Name	Smo smoothened homolog (Drosophila) [Mus musculus (house mouse)]
Official Symbol	Smo
Synonyms	SMO; smoothened homolog (Drosophila); smoothened homolog; bent body; bnb; Smoh; smoothened; E130215L21Rik;
Gene ID	319757
mRNA Refseq	NM_176996
Protein Refseq	NP_795970

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UniProt ID

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