

Active Recombinant Human SHH, Met-tagged

Cat. No. SHH-606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SHH (Accession # NP_000184) Cys24-Gly197 (Cys24Ile-Ile), fused with an N-terminal Met, was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	24-197 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µ filtered solution in PBS and NaCl with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. Nakamura, T. et al. (1997) Biochem. Biophys. Res. Commun. 237:465. The ED50 for this effect is typically 0.1-0.4 µg/mL.
Molecular Mass	Recombinant Human SHH, Met-tagged has a calculated MW of 20 kDa. In SDS-PAGE migrates as 22 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name [SHH sonic hedgehog \[Homo sapiens \]](#)

Official Symbol SHH

Synonyms SHH; sonic hedgehog; HLP3, HPE3, sonic hedgehog (Drosophila) homolog , sonic hedgehog homolog (Drosophila); sonic hedgehog protein; HHG1; MCOPCB5; SMMCI; TPT; TPTPS; sonic hedgehog homolog; HLP3; HPE3;

Gene ID [6469](#)

mRNA Refseq [NM_000193](#)

Protein Refseq [NP_000184](#)

MIM [600725](#)

UniProt ID Q15465

Chromosome Location 7q36

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