Active Recombinant Human SHH Protein

Cat. No. SHH-6284H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SHH Protein(Q15465)(Cys24-Gly197) is expressed from E.coli without tag.
Species	Human
Source	E.coli
ProteinLength	24-197 aa
Form	Lyophilized from 0.22 μm filtered solution in PBS, 300mM NaCl (pH 7.4). Normally 8% trehalose / 8% mannitol is added as protectant before lyophilization.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is 0.1-0.4 g/mL.
Molecular Mass	The protein has a predicted MW of 19.79 kDa kDa. The protein migrates to 23-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

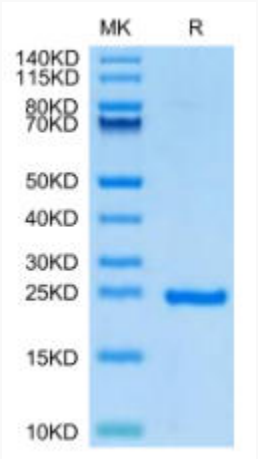
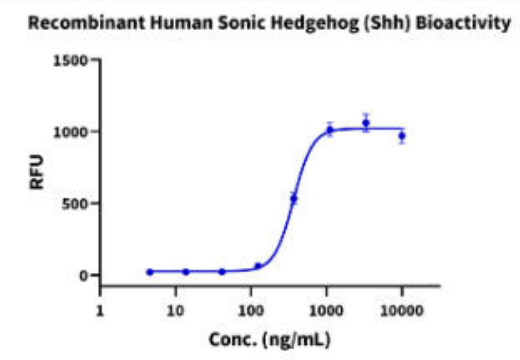
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Reconstitution	Dissolve the lyophilized protein in distilled water.

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

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Bis-Tris PAGE	
Cell Based Assay	

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