

Recombinant Rat SHH Protein

Cat. No. SHH-242R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SHH Protein without tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	Sonic hedgehog (SHH) is a member of a small group of hedgehog secreted proteins that are essential for development in both vertebrates and invertebrates.
Bio-activity	No biological activity data is available at this time.
AA Sequence	MIIGPGRGFGKRQHPKKLTPLAYKQFIPNVAEKTLGASGRYEGKITRNSERFKELTPN YNPDIIIFKDEENTGADRLMTQRCKDKLNALAISVMNQWPGVKLRVTEGWDEEDGHHS EESLHYEGRAVDITTSRDRSKYGMLARLAVEAGFDWVYYESKARIHCSVKAENSV AAKSDG
Endotoxin	≤1 EUs/μg, Kinetic LAL (50% confidence)
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution:

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
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Reconstitution	Sterile water at 0.1 mg/mL
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Shipping	Room temperature
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GENE INFORMATION

Gene Name	Shh sonic hedgehog [Rattus norvegicus (Norway rat)]
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Official Symbol	SHH
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Synonyms	SHH; sonic hedgehog; sonic hedgehog protein; sonic hedgehog homolog;
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Gene ID	29499
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mRNA Refseq	NM_017221
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Protein Refseq	NP_058917
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UniProt ID	Q63673
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