

## Recombinant Rat Shh protein, His & T7-tagged

**Cat. No.** Shh-1857R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Shh aa. (Ser237~Arg399 (Accession # Q63673)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser237~Arg399
<b>Description</b>	Plays a role in neurogenesis; regulates proliferation of adult hippocampal neural stem cells.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	25kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 8.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH2O.

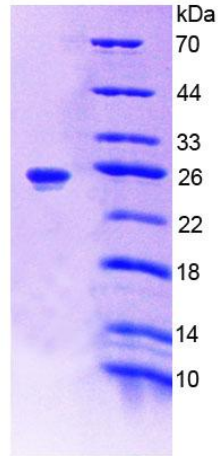
## GENE INFORMATION

<b>Gene Name</b>	Shh sonic hedgehog [ <i>Rattus norvegicus</i> (Norway rat) ]
<b>Official Symbol</b>	Shh
<b>Synonyms</b>	ATXN10; ataxin 10; E46L; SCA10; HUMEEP; ataxin-10; brain protein E46 homolog; spinocerebellar ataxia type 10 protein
<b>Gene ID</b>	29499
<b>mRNA Refseq</b>	NM_017221.1
<b>Protein Refseq</b>	NP_058917.1
<b>UniProt ID</b>	Q63673

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15% SDS-PAGE

SDS-PAGE

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