

Recombinant Rat Shh protein, His & T7-tagged

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

SPECIFICATION

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

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage Buffer

Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

GENE INFORMATION

Gene Name

Shh sonic hedgehog [*Rattus norvegicus* (Norway rat)]

Official Symbol

Shh

Synonyms

ATXN10; ataxin 10; E46L; SCA10; HUMEEP; ataxin-10; brain protein E46 homolog; spinocerebellar ataxia type 10 protein

Gene ID

29499

mRNA Refseq

NM_017221.1

Protein Refseq

NP_058917.1

UniProt ID

Q63673

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