

Active Recombinant Human SHH protein(Cys24Ile-Val-Ile)

Cat. No. SHH-2603H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SHH protein(Cys24-Gly197(Cys24Ile-Val-Ile)) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	24-197 aa
Form	Lyophilized from a 0.22 µm filtered solution of 20mM Tris, 300mM NaCl, pH 7.4.
Bio-activity	Measured by its ability to inhibit p53 expression in C3H10T1/2 mouse embryonic fibroblast cells. 1.25-2.5 µg/mL of Recombinant Human Sonic hedgehog can effectively decrease p53 expression.
Molecular Mass	19.78 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

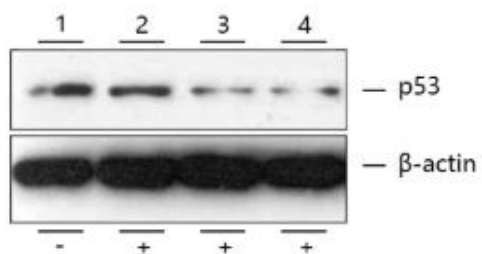
UniProt ID [Q15465](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Activity



1. Blank Control(-)
2. Sonic hedgehog 0.625μg/mL(+)
3. Sonic hedgehog 1.25μg/mL(+)
4. Sonic hedgehog 2.5μg/mL(+)

SDS-PAGE

