

Sonic Hedgehog (SHH), murine recombinant protein
SHH; HHG1; HLP3; HPE3; SMMCI, Sonic hedgehog
Catalog # PBV10050r**Specification**

Sonic Hedgehog (SHH), murine recombinant protein - Product info

Primary Accession [Q8C765](#)
Calculated MW **19.8 kDa**

Sonic Hedgehog (SHH), murine recombinant protein - Additional Info

Gene ID	20423
Gene Symbol	SHH
Other Names	
SHH; HHG1; HLP3; HPE3; SMMCI, Sonic hedgehog	
Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥97%
Assay2&Purity2	HPLC; ≥97%
Recombinant	Yes
Results	0.03 - 0.30 ug/ml.
Target/Specificity	
Sonic Hedgehog (SHH)	

Application Notes

When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile H₂O to a concentration of 0.1-0.5 mg/ml, which can be further diluted into other aqueous solutions.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from a 10 mM sodium phosphate buffer, pH 7.5.

Sonic Hedgehog (SHH), murine recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Sonic Hedgehog (SHH), murine recombinant protein - Images

Sonic Hedgehog (SHH), murine recombinant protein - Background

Recombinant Mouse Sonic Hedgehog is a member of a small group of secreted proteins that are essential for development in both vertebrates and invertebrates. Three mammalian hedgehog genes (sonic, desert, Indian) share about 60% homology. The Mouse Sonic Hedgehog is 99% homologous to the human gene. Cysteine at position 25 has been substituted with Ile. Mouse SHH is a non-glycosylated polypeptide consisting of 176 amino acids with a molecular weight of 19,800 Da.