

**Sonic Hedgehog (SHH), murine recombinant**  
**SHH; HHG1; HLP3; HPE3; SMMCI, Sonic hedgehog**  
**Catalog # PBV11450r****Specification**

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

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

**Sonic Hedgehog (SHH), murine recombinant - Additional Info****Other Names**

SHH; HHG1; HLP3; HPE3; SMMCI, Sonic hedgehog

Gene Source	<b>Mouse</b>
Source	<b>E. coli</b>
Assay&Purity	<b>SDS-PAGE; ≥97%</b>
Assay2&Purity2	<b>HPLC; ≥97%</b>
Recombinant	<b>Yes</b>
<b>Target/Specificity</b>	
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 H<sub>2</sub>O 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 - 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 - Images**

**Sonic Hedgehog (SHH), murine recombinant - 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.