Human Sonic Hedgehog (Shh) Protein

Catalog # SHH-HP001 Form: Lyophilized

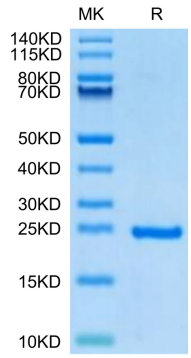
Product Details

Product description	Recombinant Human Sonic Hedgehog (Shh) Protein is expressed in E. coli without tag. It contains amino acid residues Cys24-Gly197 (UniProt accession: Q15465).
Molecular aliases	SHH; Sonic Hedgehog; HHG-1; Sonic hedgehog; HLP3; HPE3; SMMCI; TPT; TPTPS
Expression system	E. coli
Molecular weight	The protein has a predicted MW of 19.79 kDa kDa. The protein migrates to 23-25 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 0.05 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 300mM NaCl (pH 7.4). Normally 8% trehalose / 8% mannitol is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Human Sonic Hedgehog (Shh) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.