

**Product:** Sonic HedheHog (SHH), human, recombinant  
**Catalog #:** 11-SHH-H  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human Sonic HedgeHog produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 174 amino acids and having a molecular mass of 19600 Dalton  
The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Gly-Pro-Gly-Arg

**SOURCE:** *Escherichia coli*

**PURITY:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC

**DIMERS & AGGREGATES:** <1% as determined by silver stained SDS-PAGE gel analysis

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuSHH

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1) UV spectroscopy at 280 nm  
2) Analysis by RP-HPLC, using a standard solution of SHH as a Reference Standard.

**FORM:** Purified

**STORAGE:** -20°C, avoid freezing and thawing cycles after reconstitution

**BIOLOGICAL ACTIVITY:** rHuSHH is fully biologically active when compared to standard.  
The ED50 as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 5 x 10<sup>5</sup> IU/mg

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