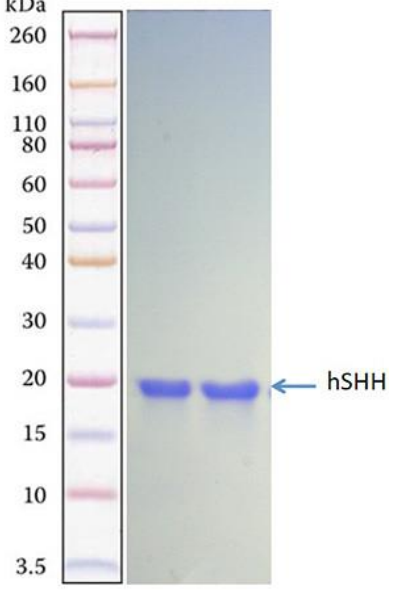


Product Name	Recombinant human Sonic Hedgehog (SHH)-Lyophilized
Sizes	5 µg, 25 µg, 100 µg, 500 µg, 1 mg
Synonym(s)	SHH, HHG1, HLP3, HPE3, MCOPCB5, SMMCI, TPT, TPTPS, Sonic hedgehog, ShhNC,
Species	Human
UniProt Consortium	Q15465
Introduction	Sonic hedgehog homolog (SHH) is one of three proteins in the mammalian signaling pathway family called hedgehog, the others being desert hedgehog (DHH) and Indian hedgehog (IHH). SHH is the best studied ligand of the hedgehog signaling pathway. It plays a key role in regulating vertebrate organogenesis, such as in the growth of digits on limbs and organization of the brain. Sonic hedgehog is the best-established example of a morphogen as defined by Lewis Wolpert's French flag model—a molecule that diffuses to form a concentration gradient and has different effects on the cells of the developing embryo depending on its concentration. SHH remains important in the adult. It controls cell division of adult stem cells and has been implicated in development of some cancers.
Amino Acid Sequence	IIGPGRGFGKRRHPKKLTPLAYKQFIPNVAEKT LGASGRYEGKITRN SERFKELTPNYNPDIIFKDEENTGADRLMTQRCKDKLNALAISVMNQ WPGVKLRVTEGWDEDGHHSEESLHYEGRAVDITTS DRDRSKYGM LARLAVEAGFDWVYYESKAHIHCSVKAENSVAAKSGG
Tag	N/A
Expression source	<i>E. coli</i>
MW	19.7 kDa
Purity	Greater than 98%, as determined by SDS-PAGE
Formulation	Lyophilized (freeze-dried) from a 0.22 sterile-filtered solution in 1x PBS & 0.1 M NaCl.
Shipping	Shipped on dry ice.

Storage/stability	Upon delivery aliquot and store at -80 °C. Avoid multiple freeze-thaw cycles. The protein is stable for 12 months at -80 °C, for 2-4 weeks at 4°C.
Application	Protein binding assay, small molecule inhibitor screening, substrate of kinase, antigen, ELISA, Western blot, crystallization and co-crystallization studies.
hSHH Protein Image	

Quality guaranteed with technical support

Our products are under warranty. Replacement or refund for products that do not perform as stated on the datasheet are valid for 12 months from date of delivery. Our experts will provide response to your inquiry within 24 hours.

Unless otherwise specifically indicated, Aurora Biolabs' products and services are for research use only and not for diagnostic or therapeutic use.