

Sonic Hedgehog Active Protein | Shh active protein

Sonic Hedgehog protein

CATALOG # AAA75584	HOST Human
------------------------------	----------------------

PRODUCT SYNONYMS

Sonic Hedgehog; Sonic Hedgehog protein; Shh protein; Shh active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 98% pure
Form/Format	Supplied as a lyophilized powder.
Concentration	25ug, lyophilized. (varies by lot)
Sequence	RegionofSo nicHedgeho gproteinco rrespondin gtoaminoac idsIVIGPGR GFGKRRHPKK LTPLAYKQFI PNVAEKTGGA SGRYEGKISR NSERFKELTP NYNPDIIFKD EENTGADRLM TQRCKDKLNA LAISVMNQWP GVKLRVTEGW DEDGHHSEES LHYEGRALDI TTSDRDRSKY GMLARLAVEA GFDWVYYESK AHIHCSVKAE NSVAAKSGG.
Sequence Length	437
Protein Type	Recombinant
Biological Significance	Sonic the 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.
Bioactivity	Determined by its ability to induce alkaline phosphatase production by C3H/10T1/2 (CCL-226) cells. The expected ED50 for this effect is 0.8-1.0 ug/ml.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Shh active protein	Purified recombinant Human Sonic Hedgehog protein
Product Categories/Family for Shh active protein	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	2597988
NCBI GeneID	20423
UniProt Accession #	Q62226

Molecular Weight	47,773 Da
NCBI Official Full Name	sonic hedgehog
NCBI Official Synonym Full Names	sonic hedgehog
NCBI Official Symbol	Shh
NCBI Official Synonym Symbols	Hx; Dsh; Hhg1; Hxl3; M100081; 9530036O11Rik
NCBI Protein Information	sonic hedgehog protein
UniProt Protein Name	Sonic hedgehog protein
UniProt Gene Name	Shh
UniProt Synonym Gene Names	Hhg1; SHH
UniProt Entry Name	SHH_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-active-protein/sonic-hedgehog/75584>