

SHH active protein

Recombinant Human SHH

CATALOG #
AAA214271

HOST
E Coli

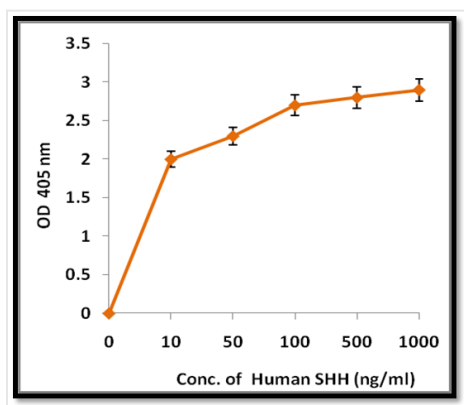
PRODUCT SYNONYMS

SHH; Recombinant Human SHH; HHG-1; Recombinant Human Sonic Hedgehog (SHH); SHH active protein

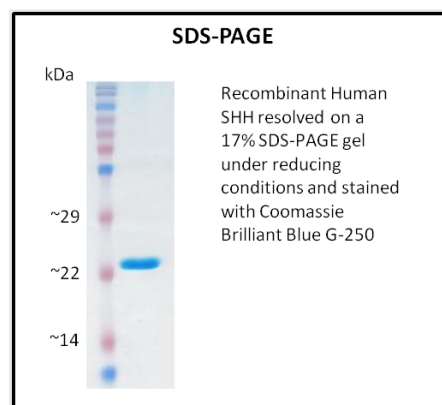
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Phosphate buffer and NaCl
Sequence Length	462
Bioactivity	Measured by its ability to induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.1--0.4 ug/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution at 100 ug/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SHH active protein

Highly conserved proteins, members of the Hedgehog family are widely represented throughout the animal kingdom. The three known mammalian Hedgehog proteins; Sonic (SHH), Desert (DHH) and Indian (IHH) hedgehog share a high degree of sequence and structural identity. SHH is specifically known to be expressed in fetal intestine, liver, lung and kidney. Recombinant Human SHH represents the N-product (N-terminal domain with Cys24 substituted by an Ile-Val-Ile sequence) which retains all the known signalling capabilities.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6094283
NCBI GeneID	6469
UniProt Accession #	Q15465
Molecular Weight	20.1 kDa
NCBI Official Full Name	Sonic hedgehog protein
NCBI Official Synonym Full Names	sonic hedgehog signaling molecule
NCBI Official Symbol	SHH
NCBI Official Synonym Symbols	TPT; HHG1; HLP3; HPE3; SMMCI; ShhNC; TPTPS; MCOPCB5
NCBI Protein Information	sonic hedgehog protein
UniProt Protein Name	Sonic hedgehog protein
UniProt Gene Name	SHH
UniProt Synonym Gene Names	SHH
UniProt Entry Name	SHH_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/shh/214271>