

DHH Protein, Human (His-GST, Myc)

Cat. No.:	HY-P700253
Synonyms:	rHuDHH; DHH; HHG-3;
Species:	Human
Source:	E. coli
Accession:	O43323 (G51-K158)
Gene ID:	50846
Molecular Weight:	Approximately 44 kDa

PROPERTIES

AA Sequence	<p>G V P E R T L G A S G P A E G R V A R G S E R F R D L V P N Y N P D I I F K D E</p> <p>E N S G A D R L M T E R C K E R V N A L A I A V M N M W P G V R L R V T E G W D</p> <p>E D G H H A Q D S L H Y E G R A L D I T T S D R D R N K</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6%Trehalose, pH 8.0
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Desert hedgehog (DHH) belongs to the hedgehog gene family that act as secreted intercellular signal transducers. DHH is an essential morphogen for normal testicular development and function in both mice and humans but is not present in the avian lineage. Like other hedgehog proteins, DHH signals through the patched (PTCH) receptors 1 and 2. The receptors PTCH1 and PTCH2 are highly conserved mediators of hedgehog signalling in both the developing and adult marsupial gonads. Together these findings indicate DHH is an essential therian mammal-specific morphogen in gonadal development and gametogenesis^[1].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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