

## Desert Hedgehog (C23II) Human Recombinant

<b>Item Number</b>	rAP-0433
<b>Synonyms</b>	HHG-3, Desert Hedgehog homolog, MGC35145, Desert hedgehog protein, DHH.
<b>Description</b>	DHH (C23II) Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 177 amino acids and having a molecular mass of 19.9kDa. The DHH (C23II) is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	O43323
<b>Amino Acid Sequence</b>	IIGPGRGPVG RRRYARKQLV PLYKQFVPG VPERTLGASG PAEGRVARGS ERFRLVLPNY NPDIIFK-DEE NSGADRLMTE RCKERVNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGG.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized DHH (C23II) although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution DHH (C23II) should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized DHH (C23II) in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The Biological Activity was determined by its ability to induce alkaline phosphatase production by C3H/10T1/2 (CCL-226) cells. The expected ED50 for this effect is 15-45 µg/ml.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**