

Desert Hedgehog (C23II) Mouse Recombinant

Item Number	rAP-0441
Synonyms	Desert hedgehog protein, DHH, HHG-3, C78960.
Description	DHH (C23II) Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 177 amino acids and having a molecular mass of 20kDa. The DHH (C23II) is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q61488
Amino Acid Sequence	IIGPGRGPVG RRRYVRKQLV PLLYKQFVPS MPERTLGASG PAEGRVTRGS ERFRDLVPNY NPDIIFK- DEE NSGADRLMTE RCKERVNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH IHVSVKADNS LAVRAGG.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4, 1mM DTT and 0.05% Tween-80. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	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.
Biological Activity	The ED50 as determined by its ability to induce alkaline phosphatase production by murine MC3T3-E1 cells is 5-20 µg/ml.
Shipping Format and Condition	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**