

Recombinant Human DHH

Cat No:HR2R1327

For research use only

Overview

Quantity	250 ?g
Gene Symbol	DHH
Gene ID	50846
Accession	O43323
Alternative Name	Desert Hedgehog Protein, DHH Recombinant Human Desert Hedgehog (DHH)
Species	Human
Source	E. coli
Description	The Desert Hedgehog protein is one of the three Hedgehog family proteins that is highly conserved and plays a role in many developmental processes in animals. DHH become biologically active following its autocatalytic cleavage. There is a high degree of residue homology between Sonic Hedgehog (SHH), Indian Hedgehog (IHH), and DHH. Despite their individual levels of expression and unique biological roles, the Hedgehog family members all use the same signalling pathway, and therefore, may be used interchangeably for some experimental purposes.
Functions	Measured by its ability to induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is typically 15?-45 ?g/mL
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS with 0.2 mM DTT
Solubility	Reconstitute at 500 ?g/mL in sterile PBS
Appearance	Lyophilized Powder
Molecular Weight	20
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.