

Recombinant Mouse FGF8

Cat No:HR2R2122

For research use only

Overview

Quantity	50 ?g
Gene Symbol	FGF8
Gene ID	N/A
Accession	N/A
Alternative Name	FGF-8, Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8 Recombinant Mouse Fibroblast Growth Factor 8 (FGF8)
Species	Mouse
Source	E. coli
Description	FGF-8 (FGF8-b) is a member of the fibroblast growth factor family, which have wide mitogenic and cell survival activities. Additionally, they participate in a number of biological processes during prenatal development, postnatal growth and tissue generation. FGF family members have been implicated in tumour growth, FGF8 specifically in anchorage independent growth of mammary tumour cells. Adult expression of FGF8 is restricted to the testes and ovaries. As an embryonic epithelial growth factor, FGF8 sets up and maintains the midbrain/hindbrain border, and has further roles in limb development, organogenesis and left-axis determination. Recombinant Murine FGF-8b is a 22.5 kDa heparin binding growth factor consisting of 197 amino acids and shares 100% amino acid identity with human FGF-8b.
Functions	The bioactivity was determined in a NIH/3T3 cell proliferation assay. The ED50 was in the range of 0.05 - 0.5 ng/ml.
Formulation	Lyophilized from a 0.2 ?m filtered solution in 20mM phosphate buffer, 0.2 mM EDTA and 1M NaCl (pH 8.0)
Solubility	A quick spin of the vial followed by reconstitution at 100 ?g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Appearance	Lyophilized Powder
Molecular Weight	22.5
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	Store product at ?70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favourable performance, avoid repeated handling and multiple freeze/thaw cycles.