Recombinant Human FGF8

Cat No:HR2R1416

For research use only

Overview

Quantity	50 ?g
Gene Symbol	FGF8
Gene ID	2253
Accession	P55075
Alternative Name	FGF-8, Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8 Recombinant Human Fibroblast Growth Factor 8 (FGF8)
Species	Human
Source	E. coli
Description	FGF-8 is a heparin binding protein of the FGF family which works to control cell division, differentiation, and function. These proteins are especially prominent during prenatal development and postnatal growth. FGF-8 can be spliced in four different ways. The products of the FGF-8 splicing events are as follows: FGF8A, 8B, 8E and 8F. This recombinant product represents isoform 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	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.