Recombinant Human FGF3

Cat No:HR2R1410

For research use only

Overview

Quantity	20 ?g
Gene Symbol	FGF3
Gene ID	2248
Accession	P11487
Alternative Name	HBGF-3, FGF3, Proto-oncogene Int-2, Heparin-binding growth factor 3
Species	Human
Source	E. coli
Description	FGF3 belongs to the FGF family, members of which act on cells of mesodermal and neuroectodermal origin. Originally designated int2, the FGF3 gene was initially identified as a protooncogene in mice. FGF3 plays an important role in the regulation of embryonic development, cell proliferation, and cell differentiation and is required for normal ear development. Heparan sulfate glycosaminoglycans function as co-receptors to increase the affinity between FGF3 and its receptors; FGFR1 and FGFR2. Human and mouse FGF3 are known to share 88% amino acid sequence identity. Recombinant Human FGF3 is a single polypeptide of 21 kDa.
Functions	The ED50 as determined by the dose-dependent stimulation of mouse fibroblasts was <5ng/ml
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS, DTT and EDTA
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	21.2
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.