Bioactive

FGF2 (Human) Recombinant Protein

Catalog # P8593 Size 2 x 10 ug

Specification

Product Description	Human FGF2 recombinant protein expressed in?Baculovirus cells.
Host	Viruses
Theoretical MW (kDa)	17.3
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	chromatography
Purity	> 98% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED_{50} < 0.5 ng/mL, measured by the dose-dependant proliferation of BAF3 cells expressing FGF rec eptors (measured by 3H-thymidine uptake), corresponding to a Specific Activity of 2MU/mg.
Storage Buffer	In 20mM Tris buffer, pH 7.9 (20% glycerol, 100mM KCl, 1mM DTT).
Storage Instruction	Stored at 4°C for 2-4 weeks, should be stored at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — FGF2

Entrez GeneID	2247
Protein Accession#	P09038

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Name	FGF2
Gene Alias	BFGF, FGFB, HBGF-2
Gene Description	fibroblast growth factor 2 (basic)
Omim ID	134920
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq
Other Designations	basic fibroblast growth factor bFGF|fibroblast growth factor 2|heparin-binding growth factor 2|prostatropin

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- Alzheimer disease
- Arthritis
- Birth Weight
- Cardiovascular Diseases
- Chorioamnionitis
- Cleft Lip
- Cleft Palate

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Retinopathy
- Edema
- Fetal Membranes
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Myocardial Infarction
- Myopia
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Obstetric Labor
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Pre-Eclampsia
- Premature Birth

Copyright © 2023 Abnova Corporation. All Rights Reserved.