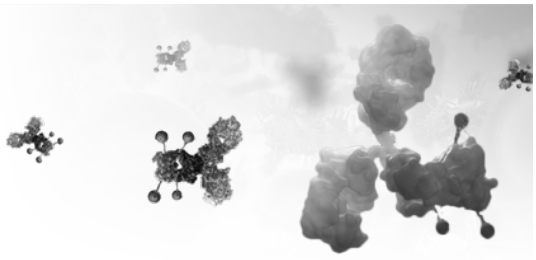

Human Fibroblast Growth Factor 2 (aa 155) (DAG302)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	RecombinantHuman FGF2 (FGF-2) is a single, non-glycosylated, polypeptide chaincontaining 155 amino acids and having a molecular weight of 17,353 Da, wasexpressed in E. coli. The sequence of the first five N-terminal amino acidswas determined to be Ala-Glu
Antigen Description	Basic fibroblast growth factor, alsoknown as bFGF, FGF2 or FGF-β, is a member of the fibroblast growth factorfamily. bFGF is a critical component of human embryonic stem cell culturemedium; the growth factor is necessary for the cells to remain in anundifferentiated state, although the mechanisms by which it does this arepoorly defined. It has been demonstrated to induce gremlin expression whichin turn is known to inhibit the induction of differentiation by bonemorphogenetic proteins. It is necessary in mouse-feeder cell dependentculture systems, as well as in feeder and serum-free culture systems
Species	Human
Conjugate	Unconjugated
Applications	The ED50 as determined by thedose-dependent proliferation of BAF3 cells expressing FGF receptors (measuredby 3H-thymidine uptake) is and lt;0.5ng/ml, corresponding to aspecific activity of 2 x 106 Units/mg. Each laboratory shoulddetermine an optimum worki
Format	Purified, Lyophilized. Reconstitute using sterile deionized water to a concentration 100µg/ml. Further dilutions can be made in other aqueou buffers.
Concentration	1 mg/ml(OD280nm, E0.1% = 0.8511) (prior to lyophilization)
Buffer	Lyophilized fromPBS, pH 7.4
Preservative	None
Storage	2-8°C short term, -20°C long term

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BACKGROUND

Introduction	The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.
Keywords	FGF2; fibroblast growth factor 2 (basic); FGFB; fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF; BFGF; FGF-2; HBGF-2;

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