

Recombinant Mouse FGF-1/FGFa Protein

Catalog No. PKSM041019

Note: Centrifuge before opening to ensure complete recovery of vial contents.

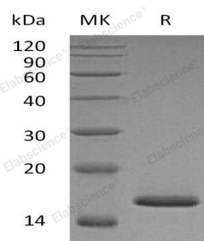
Description

Synonyms	Fibroblast Growth Factor 1, FGF-1, Acidic Fibroblast Growth Factor, aFGF, Heparin-Binding Growth Factor 1, HBGF-1, Fgf1, Fgf-1, Fgfa
Species	Mouse
Expression Host	E.coli
Sequence	Phe16-Asp155
Accession	P61148
Calculated Molecular Weight	15.7 kDa
Observed molecular weight	16 kDa
Tag	None
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 500mM NaCl, pH 6.6. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

FGF acidic is a 17 kDa nonglycosylated member of the FGF family of mitogenic peptides. FGF acidic, which is produced by multiple cell types, stimulates the proliferation of all cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin. It plays a number of roles in development, regeneration, and angiogenesis. FGF-acidic is a non-glycosylated heparin binding growth factor that is expressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes and endothelial cells. FGF-acidic has the ability to signal through all the FGF receptors.