PRODUCT INFORMATION

Target	FGFa
Synonyms	Fibroblast Growth Factor 1;FGF-1;Acidic Fibroblast Growth Factor;aFGF;Endothelial Cell Growth Factor;ECGFHeparin-Binding Growth Factor 1;HBGF-1;FGF1;FGFA
Description	Recombinant Human Fibroblast Growth Factor 1/Fibroblast Growth Factor Acidic is produced by our E.coli expression system and the target gene encoding Ala2-Asp155 is expressed.
Delivery	In Stock
Uniprot ID	P05230
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	17.3 KDa
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	FGF acidic, also known as ECGF, FGF-1and HBGF-1, 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. It is a mitogenic peptide that is produced by multiple cell types and stimulates the proliferation of cells of mesodermal, ectodermal, and endodermal origin. Its association with heparan sulfate is a prerequisite for activation of FGF receptors. Internalized FGF acidic migrates to the nucleus where it is phosphorylated by nuclear PKC delta, exported to the cytosol, dephosphorylated, and degraded. Intracellular FGF acidic inhibits p53 activity and proapoptotic signaling.
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

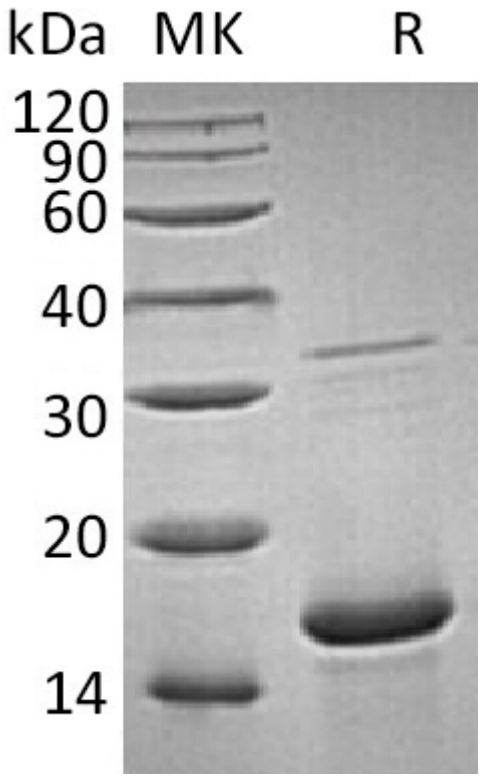


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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