

# Human FGF2/b-FGF, C-His, Flag Tag Protein

HA210582



<b>Product name:</b>	Human FGF2/b-FGF, C-His, Flag Tag
<b>Species reactivity:</b>	Human
<b>Bio-Activity:</b>	Measured in a cell proliferation assay using NIH/3T3 mouse fibroblast cells. The ED50 for this effect is $\leq 0.01$ ng/mL.
<b>Protein construction description:</b>	A DNA sequence encoding the human FGF2/b-FGF protein (P09038) (Pro 143-Ser 288) was expressed with both His, Flag tag at the C-terminus.
<b>Background:</b>	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.
<b>Purity:</b>	>90% as determined by SDS-PAGE.
<b>Endotoxin:</b>	Less than 1.0 EU per $\mu\text{g}$ by the LAL method.
<b>Fragment region:</b>	FGF2/b-FGF (143-288)
<b>Source:</b>	E.coli
<b>Accession:</b>	P09038
<b>Predicted molecular mass:</b>	19.7 kD
<b>Formulation:</b>	Lyophilized from a 0.2 $\mu\text{m}$ filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution:</b>	Reconstitute at 250 $\mu\text{g}/\text{ml}$ in sterile water.
<b>Storage:</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

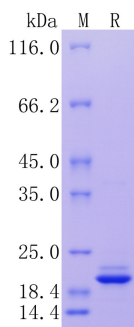
Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

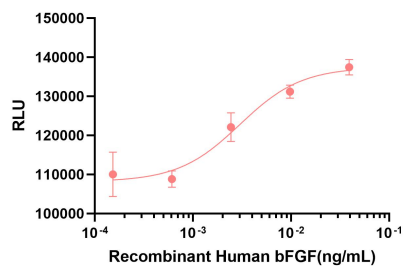
Technical:0086-571-89986345

Service mail:support@huabio.cn

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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.



**Fig2:** Measured in a cell proliferation assay using NIH/3T3 mouse embryonic fibroblast cells. The ED<sub>50</sub> for this effect is  $\leq 0.01$  ng/mL.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".