

**Recombinant Human Fibroblast Growth Factor-9
(rhFGF-9)
Catalog Number: 104-09**

Description	Fibroblast Growth Factor 9 (FGF-9) is one of the 23 known members of the FGF family. All FGF family members are heparin binding growth factors with a core 120 amino acid FGF domain that allows for a common tertiary structure. FGF-9 targets glial cells, astrocytes cells and other cells that express the FGF receptor 1c, 2c, 3b, 3c, and 4.
Synonyms	Glia-activating factor (GAF), HBGF-9, SYNS3
AA Sequence	APLGEVGNFYF GVQDAVPFGN VPVLPVDSPV LLSDHLGQSE AGGLPRGPAV TLDHLKGIL RRRQLYCRTG FHLEIFPNGT IQGTRKDHSR FGILEFISIA VGLVSIRGVD SGLYLG MNEK GELYGSEKLT QECVFREQFE ENWYNTYSSN LYKHVDTGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELY KDILSQS
Source	<i>Escherichia coli</i>
Molecular Weight	Approximately 23.4 kDa, a single non-glycosylated polypeptide chain containing 207 amino acids.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active. The ED ₅₀ is ≤ 0.5 ng/ml, corresponding to a specific activity of ≥ 2 x 10 ⁶ units/mg, as determined by proliferation of BaF3 cells expressing FGF receptors.
Physical Appearance	White lyophilized powder.
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	< 1EU/µg of growth factor as determined by LAL method.
Reconstitution	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.
Storage	Store at -20°C after receiving. Upon reconstitution, store at 2-8°C for up to one week. For maximal stability, aliquot and store at -20°C. Avoid repeated freeze/ thaw cycles.
Usage	This product is for research use only. It is not approved for use in humans, animals, or <i>in vitro</i> diagnostic procedures.