

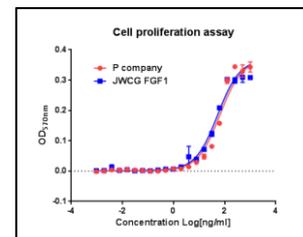
## DATA SHEET

### Product Information

<b>Product Name</b>	: <b>Recombinant Human Fibroblast Growth Factor 1 (rhFGF1)</b>
<b>Synonyms</b>	: FGFa, HBGF1, FGF acidic, endothelial cell growth factor
<b>Description</b>	: FGF1 Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by heparan sulfate glycosaminoglycans that function as coreceptors. Found in a complex with FGFBP1, FGF1 and FGF2. Interacts with FGFBP1. Part of a Cu(2+)-dependent multiprotein aggregate containing FGF1, S100A13 and SYT1. Interacts with SYT1. Interacts with S100A13. Belongs to the heparin-binding growth factors family. 2 isoforms of the human protein are produced by alternative splicing. (Ref. From UniProtKB)
<b>NCBI Accession No.</b>	NM_000800.4
<b>Amino acid sequence</b>	: MFNLPPEGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAE SVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYIS KKHAEKNWFVGLKKNKNGSCKRGPRTHYGQKAILFLPLPVSSD*
<b>Molecular Mass</b>	: 15.9 kDa (141 aa)
<b>Protein Tags</b>	: No tagging
<b>Source</b>	: <i>E. coli</i> .
<b>Cat. No.</b>	: JW-H023-0010, JW-H023-0025, JW-H023-0100, JW-H023-0250, JW-H023-0500, JW-H023-1000
<b>Storage</b>	: Should be at $\leq -70$ °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
<b>Cross Reactivity</b>	: Cow, Hamster, Human, Leech, Mouse, Pig, Rat

### Quality Control

Test items	Specifications
<b>Appearance</b>	: Clear, colorless liquid
<b>Purity</b>	: Greater than 98 % by RP-HPLC and SDS-PAGE
<b>Specificity</b>	: Using Western blot, detection
<b>Concentration</b>	: 0.1 mg/ml, Bradford method Determined by proliferation of HHDPC cells.
<b>Biological Activity</b>	: The ED50 is $\leq 0.5$ ng/ml, corresponding to a specific activity of $> 2 \times 10^6$ U/mg
<b>Endotoxin</b>	: Less than 1.0 EU/ $\mu$ g as determined by the LAL method
<b>Formulation</b>	: PBS, 5% glycerol (pH 7.4) without preservative or carrier proteins.
<b>Stability</b>	: Stable for up to 12 months at $-70$ °C. Stable for a month at 4 °C.
<b>Sterility</b>	: Sterilized through a 0.2 $\mu$ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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