

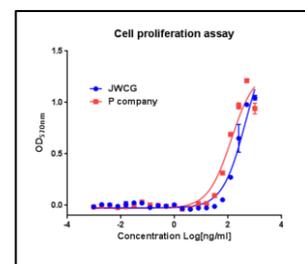
DATA SHEET

Product Information

Product Name	: Recombinant Human Fibroblast Growth Factor 8b (rhFGF-8b)
Synonyms	: FGF-8, AIGF, HBGF-8, HH6, KAL6
Description	: FGF-8b is one of the isoforms of FGF-8, and is involved in many biological processes including angiogenesis. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-8b is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. (Ref. From Wikipedia)
NCBI Accession No.	: NM_006119.4
Amino acid sequence	: MQVTVQSSPNFTQHVREQSLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRI NMAEDGDPAFLIVETDTFGSRVVRGAETGLYICMNKKGKLIKSNKGK DCVFTEIVLENNYTALQNAKYEGWYMAFTRKGRPRKGSKTRQHQREVFHMKR LPRGHHTTEQSLRFEFNLNYPFTRSLRGSQRTWAPEPR
Molecular Mass	: 22.5 kDa (194 a.a)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-H025-0010, JW-H025-0025, JW-H025-0100, JW-H025-0250, JW-H025-0500, JW-H025-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Mouse, Rat

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by proliferation of NIH-3T3 indicator cells.
Biological Activity	: The ED50 is ≤ 2.0 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ EU/mg
Endotoxin	: Less than 0.1 EU/ μ g as determined by the LAL method
Formulation	: PBS, 5% Glycerol (pH 7.4) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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