

**HumanKine<sup>®</sup> FGF-8b (Recombinant Human)**



|                       |                      |          |                |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

**Product Description**

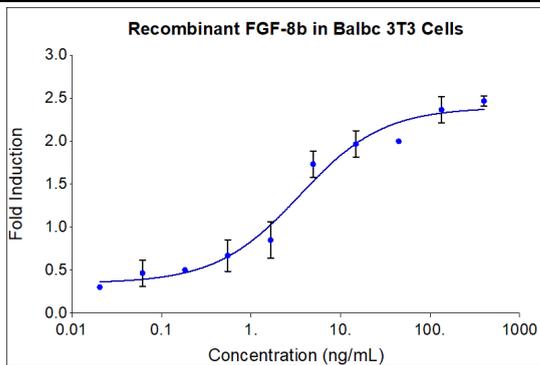
Animal-free Recombinant Human FGF-8b is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 30 to 45 kDa. This wide molecular mass is due to glycosylation, which is absent when this cytokine is expressed in E. coli. Production in human 293 cells offers authentic glycosylation. Glycosylation contributes to stability in cell growth media and other applications. The cytokine is greater than 95% pure.

|                    |   |
|--------------------|---|
| Alternative Names  | AIGF, Androgen induced growth factor, FGF 8, FGF8, FGF-8b, Fibroblast growth factor 8, HBGF 8, KAL6 |
| Source             | Human Embryonic Kidney cells (HEK293). HEK293-derived FGF-8b protein                                |
| Species Reactivity | human,mouse,pig   |

**Specifications**

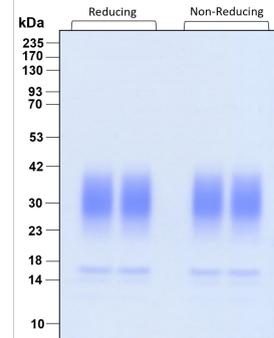
| Test           | Method   | Specification   |
|----------------|--|---|
| Activity       | Dose-Dependent stimulation of Proliferation in the NIH 3T3 cell line in low serum conditions | 10-60 ng/mL EC50 in NIH 3T3 in defined media                |
| Molecular Mass | SDS-PAGE   | 30 to 45 kDa reduced and non-reduced, monomer, glycosylated |
| Purity         | SDS-PAGE   | >95%  |
| Endotoxin      | LAL  | <1 EU/μg  |

**Activity Data**



The activity was determined by the dose-dependent stimulation of the proliferation of the Balb/3T3 cell line using the Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

**SDS-PAGE**



| Preparation          |  |
|----------------------|--|
| Shipping Temperature | ambient temperature  |
| Formulation          | 10 mM Tris-HCl pH 7.4 + 800 mM NaCl, See Certificate of Analysis for details   |
| Reconstitution       | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile water containing 0.1% endotoxin-free recombinant human serum albumin (HSA). |

| Stability and Storage              | Product Form              | Temperature Conditions | Storage Time (From Date of Receipt) |
|------------------------------------|---------------------------|------------------------|-------------------------------------|
|                                    | Lyophilized               | -20°C to -80°C         | Until Expiry Date                   |
|                                    | Lyophilized               | Room Temperature       | 2 weeks                             |
|                                    | Reconstituted as per CofA | -20°C to -80°C         | 6 months                            |
|                                    | Reconstituted as per CofA | 4°C                    | 1 week                              |
| Avoid repeated freeze-thaw cycles. |                           |                        |                                     |

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