## PRODUCT INFORMATION

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|---|---|
| **Target** | FGF8b |
| **Synonyms** | HH6; AIGF; KAL6; FGF-8; HBGF-8 |
| **Description** | Recombinant human FGF8b(23-215) Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P55075-3 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc tag |
| **Molecular Characterization** | FGF8b(Gln23-Arg215) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 48.5 kDa after removal of the signal peptide. The apparent molecular mass of FGF8b(23-215)-hFc is approximately 55-70 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. 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. This protein 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 angiogensis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq, Jul 2008] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

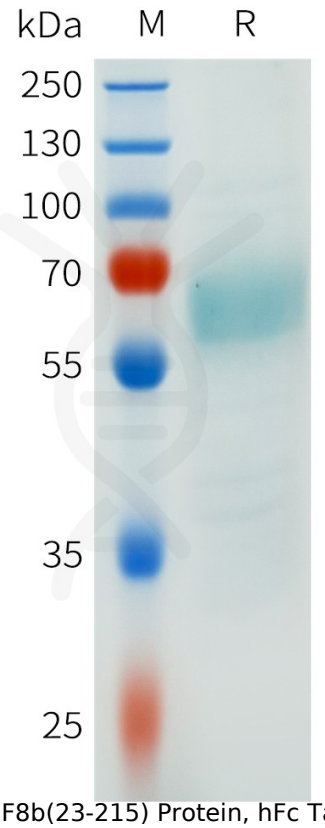



Figure 1. Human FGF8b(23-215) Protein, hFc Tag on SDS-PAGE under reducing condition.

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