

General Information

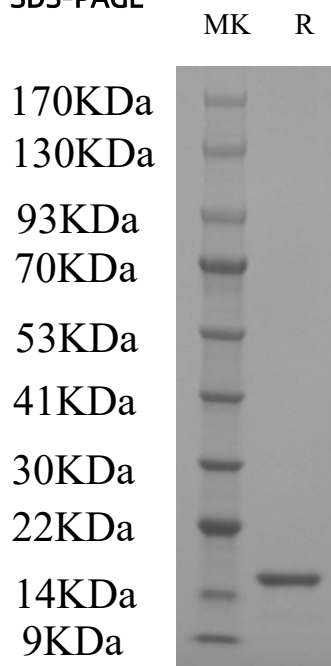
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|--------------------------------|--|
| Source | Escherichia coli |
| Synonyms | Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; bFGF; HeparinBinding Growth Factor 2; HBGF-2; FGF2; FGFB |
| Accession | P09038 |
| Molecular Mass | 17.2 KDa |
| Description | Recombinant Human Fibroblast Growth Factor 2/Fibroblast Growth Factor Basic is produced by our E.coli expression system and the target gene encoding Ala135-Ser288 is expressed |
| Shipping | The product is shipped at 4 °C. Upon receipt, store it immediately at the temperature recommended below |
| Stability & Storage | Aliquot the reconstituted solution to minimize freeze-thaw cycles. Lyophilized protein should be stored at -20°C to -80°C, stable for one year after receipt. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months |
| Reconstitution | Centrifuge tubes before opening. Dissolve the lyophilized protein in distilled water. Do not mix by vortex. It is recommended to dissolve the product at a concentration of twice the specified specification |
| Background | FGF-basic is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-basic is a non-glycosylated, heparin-binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland, liver, monocytes, epithelial cells and endothelial cells |

Product For Research Use Only

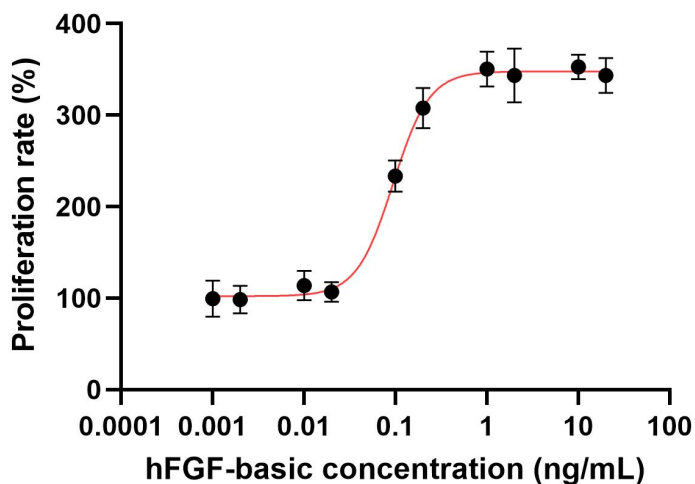
Specifications

| | |
|---------------------|---|
| Formulation | Lyophilized from sterile PBS, pH 7.4, 5% trehalose. |
| Purity | ≥95% as determined by SDS-PAGE |
| Endotoxin | <1EU/ug |
| Bio Activity | Measured in a cell proliferation assay using NIH-3T3 cells.The ED50 for this effects is 0.09409 ng/ml |

Data

SDS-PAGE


Greater than 95% as determined by reducing SDS-PAGE

Bioactivity


Measured in a cell proliferation assay using NIH-3T3 cells.The ED50 for this effects is 0.09409 ng/ml

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