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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Recombinant Human Fibroblast Growth Factor Basic-154

CLY100-146-10UG
CLY100-146-50UG
CLY100-146-100UG
CLY100-146-500UG
CLY100-146-1MG

Description: Fibroblast Growth Factors, FGFs, are a 22 member family of proteins known to be involved in angiogenesis, wound healing and embryonic development. As a family, they bind to heparin and signal through four receptor tyrosine kinases called, FGFR1, 2, 3 and 4. Although the mechanism remains unclear, FGF-basic 154 (known as FGF basic) is a critical component in keeping embryonic stem cells undifferentiated in cell culture systems. Recombinant human FGF-b 154 (FGF-2) is a non-glycosylated protein, containing 155 amino acids and having a molecular mass of 17.3 kDa.

Source: *E.coli*

Presentation: 10 µg (CLY100-146-10UG), 50µg (CLY100-146-50UG), 100µg (CLY100-146-100UG), 500µg (CLY100-146-500UG) or 1 mg (CLY100-146-1MG), sterile filtered white lyophilized (freeze-dried) powder. Recombinant human FGF-b 154 is lyophilized from a 10 mM Na₂PO₄, pH 8.0.

Reconstitution: It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Stability: Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Protein Content and Purity ≥95% determined by:

UV spectroscopy at 280 nm.

RP-HPLC calibrated against a known standard.

Quantitation on SDS-PAGE against a known standard.

Endotoxin Level: Endotoxin level as measured by LAL is < 0.05 EUs/µg.

Biological Activity: The activity is calculated by the dose-dependent proliferation of mouse BALB/c 3T3 cells and is 0.0507 ng/mL (2.0 x 10⁷ units/mg).

AA Sequence: MAAGSITTLP ALPEDGGSGA FPPGHFKDPK RLYCKNGGFF LRIHPDGRVD GVREKSDPHI
KLQLQAEERG VVSIKGVCAN RYLAMKEDGR LLASKCVTDE CFFFERLESN NYNTYRSRKY
TSWYVALKRT GQYKLGSKTG PGQKAILFLP MSAKS

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