

Mouse FGF 8 Recombinant Protein



RPPB0219

Product Information Protein Information

Product SKU:

RPPB0219

Accession:

P37237

Host:

Escherichia Coli.

Protein description:

FGF-8 Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 246 amino acids and having a molecular mass of 28.1kDa. The FGF-8 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fibroblast growth factor 8, FGF-8, Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8, Fgf8.

Formulation:

FGF-8 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized FGF-8 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized FGF-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

QVRSAAQKRG PGAGNPADTL GQGHEDRPFG QRSRAGKNFT NPAPNYPEEG SKEQRDSVLP KVTQRHVREQ
SLVTDQLSRR LIRTYQLYSR TSGKHVQVLA NKRINAMAED GDPFAKLIVE TDTFGSRVRV RGAETGLYIC
MNKKGKLIK SNGKGDVCF TEIVLENNYT ALQNAKYEGW YMAFTRKGRP RKGSKTRQH Q REVHFMKRLP
RGHHTTEQSL RFEFLNYPF TRSLRGSQRT WAPEPR.

Biological Activity:

The ED₅₀, as determined by the dose-dependent a cell proliferation assay using NR6R-3T3 mouse fibroblast cells is <25 ng/ml in the presence of 0.1 ug/ml heprin, corresponding to a specific activity of > 4.0×10⁴ units/mg.