

Fibroblast Growth Factor-8 Human Recombinant

Item Number	rAP-2232
Synonyms	FGF8B, FGF-8B, FGF8-B, KAL6, HBGF-8, HBGF8, AIGF, HBGF-8, MGC149376, fibroblast growth factor 8.
Description	FGF 8 Human Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 194 amino acids and having a total molecular mass of 22.5kDa.
Uniprot Accesion Number	P55075
Amino Acid Sequence	MQVTVQSSPN FTQHVREQSL VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGDPFAKLIVETD TFGSRVVRVG AETGLYICMN KKGKLIAXSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHORE VHFMKRLPRG HHTTEQSLRF EFLNYPPFTR SLRGSQRTWA PEPR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution containing 5mM Na3PO4 and 50mM NaCl, pH 7.5. Greater than 97.0% as determined by analysis by SDS-PAGE.
Application	
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.
Biological Activity	The ED50, as determined by its ability to induce proliferation of mouse 3T3 fibroblasts, is 5-7ng/ml, corresponding to a specific activity of 2x105units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**