

Fibroblast Growth Factor 16 Human Recombinant

Item Number	rAP-2237
Synonyms	Fibroblast Growth Factor 16, Metacarpal 4-5 Fusion, FGF-16, MF4, FGF16.
Description	FGF16 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 206 amino acids and having a molecular mass of 23.6kDa. The FGF-16 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O43320
Amino Acid Sequence	AEVGGVFASL DWDLHGFSSS LGNVPLADSP GFLNERLGQI EGKLQRGSPT DFAHLKGILR RRQLYCRTGF HLEIFPNGTV HGTRHDHSRF GILEFISLAV GLISIRGVDS GLYLG MNERG ELYGSKKLTR ECVFREQFEE NWyNTYASTL YKHSDSERQY YVALNKDGSP REGYRTRKHQ KFTHF LPRPV DPSKLPMSR DLFHYR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.
Formulation and Purity	FGF-16 0.2µm filtered solution containing 20mM Tris-HCl, 1M NaCl, pH 9.0, 0.2% Tween-20 and 10% Glycerol. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5ng/ml, corresponding to a specific activity of > 2.0 × 10 ⁶ IU/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**