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Product Datasheet

Recombinant Tuna FGF-2/bFGF, Unconjugated

EMB-Y00321T-50UG

Article Name	Recombinant Tuna FGF-2/bFGF, Unconjugated
Biozol Catalog Number	EMB-Y00321T-50UG
Supplier Catalog Number	Y00321T
Alternative Catalog Number	EMB-Y00321T-50UG, EMB-Y00321T-1MG
Manufacturer	EastMabBio
Category	Proteine/Peptide
Application	Cell Culture
Species Reactivity	Fish
Conjugation	Unconjugated
Molecular Weight	17 kDa
Tag	Tag free
UniProt	XP_044218972.1
Buffer	Lyophilized from a 0.22 um filtered solution containing 10mM PB, 5% Trehalose and 0.01% Tween 80, pH7.4
Source	E. coli

Purity	95% by SDS-PAGE
Form	Lyophilized powder
Target	bFGF/FGF-2
Application Notes	Expression Region: Met1-Ser155. Specificity: Tuna FGF-2/bFGF. Bioactivity: Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 2.0 ng/mL. Endotoxin: 10 EU/mg. Research Area: Cell-Cultured Tuna Meat Production - Drives proliferation of tuna muscle satellite cells and fibroblasts for cultivated bluefin and yellowfin products. Tuna Embryonic Development Research - Models somitogenesis, cardiovascular development, and endothermy evolution. High-Performance Fish Physiology - Investigates FGF-2-mediated cell proliferation in metabolically active tissues. Marine Developmental Biology - Studies tissue patterning and organogenesis in large pelagic fish species. Serum-Free Culture Systems - Suitable for chemically defined and xeno-free cell culture media