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Product Datasheet

Recombinant Bovine FGF-2/bFGF, Unconjugated

EMB-Y00331-50UG

Article Name	Recombinant Bovine FGF-2/bFGF, Unconjugated
Biozol Catalog Number	EMB-Y00331-50UG
Supplier Catalog Number	Y00331
Alternative Catalog Number	EMB-Y00331-50UG, EMB-Y00331-1MG
Manufacturer	EastMabBio
Category	Proteine/Peptide
Application	Cell Culture
Species Reactivity	Bovine
Conjugation	Unconjugated
Molecular Weight	16.5 kDa
Tag	Tag free
UniProt	P03969
Buffer	Lyophilized from a 0.22 um filtered solution containing 10mMPB, 250mM NaCl, 5%mannitol and 0.01% Tween 80, pH 7.4
Source	E. coli

Purity	95% by SDS-PAGE
Form	Lyophilized powder
Target	bFGF/FGF-2
Application Notes	Expression Region: Pro10-Ser155. Specificity: Bovine 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 Beef Production - Drives proliferation of bovine muscle satellite cells, fibroblasts, and adipogenic precursors in serum-free media. Bovine Embryonic Stem Cell Maintenance - Sustains self-renewal and pluripotency of bESCs for germline modification and developmental studies. Bovine Muscle Development and Myogenesis - Models embryonic muscle patterning and supports myogenic differentiation protocols. Bovine Intestinal Organoid Culture - Supports 3D culture of bovine gut epithelium for nutrition and microbiome research. Serum-Free Culture Systems - Suitable for chemically defined and xeno-free cell culture media