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Product Datasheet

Recombinant Chicken FGF-2/bFGF, Unconjugated

EMB-Y00321C-50UG

Article Name	Recombinant Chicken FGF-2/bFGF, Unconjugated
Biozol Catalog Number	EMB-Y00321C-50UG
Supplier Catalog Number	Y00321C
Alternative Catalog Number	EMB-Y00321C-50UG, EMB-Y00321C-1MG
Manufacturer	EastMabBio
Category	Proteine/Peptide
Application	Cell Culture
Species Reactivity	Gallus
Conjugation	Unconjugated
Molecular Weight	17.3 kDa
Tag	Tag free
UniProt	P48800
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: Pro13-Ser158. Specificity: Chicken FGF-2/bFGF. Bioactivity: Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 10-50 ng/mL. Endotoxin: 10 EU/mg. Research Area: Cell-Cultured Poultry Meat Production - Drives proliferation of chicken muscle satellite cells, fibroblasts, and adipogenic precursors in serum-free media. Chicken Embryonic Stem Cell Maintenance - Sustains self-renewal and pluripotency of cESCs for germline modification and developmental studies. Avian Muscle Development and Myogenesis - Models embryonic muscle patterning and supports myogenic differentiation protocols. Chicken Intestinal Organoid Culture - Supports 3D culture of chicken gut epithelium for nutrition and microbiome research. Serum-Free Culture Systems - Suitable for chemically defined and xeno-free cell culture media