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Product Datasheet

Recombinant Human EGF, Unconjugated

EMB-Y00801-50UG

Article Name	Recombinant Human EGF, Unconjugated
Biozol Catalog Number	EMB-Y00801-50UG
Supplier Catalog Number	Y00801
Alternative Catalog Number	EMB-Y00801-50UG, EMB-Y00801-1MG
Manufacturer	EastMabBio
Category	Proteine/Peptide
Application	Cell Culture
Species Reactivity	Human
Conjugation	Unconjugated
Molecular Weight	6.2 kDa
Tag	Tag free
UniProt	P01133
Buffer	Lyophilized from a 0.22 um filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Source	CHO cell

Purity	95% by SDS-PAGE
Form	Lyophilized powder
Target	EGF
Application Notes	Expression Region: Asn971-Arg1023. Specificity: Human EGF. Bioactivity: Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 0.3 ng/mL. Endotoxin: 10 EU/mg. Research Area: Organoid Culture - Drives epithelial cell proliferation in intestinal, gastric, and mammary organoid systems. Keratinocyte and Epithelial Cell Expansion - Supports growth of skin and mucosal epithelial cells. Wound Healing Research - Models re-epithelialization and tissue regeneration processes. Cancer Cell Proliferation Studies - Investigates EGFR-mediated oncogenic signaling pathways. Serum-Free Culture Systems - Suitable for chemically defined and xeno-free cell culture media