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EGF Protein

Images



Overview

Quantity:	20 μg
Target:	EGF
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Endotoxin Level:	Low endotoxin
	analysis by HpLC, UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Purification:	Epidermal Growth Factor purity was determined to be greater than 95% as determined by
Characteristics:	Urogastrone, URG

Target Details

Target Details	
Target:	EGF
Alternative Name:	EGF (EGF Products)
UniProt:	P07522
Pathways:	NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Carbohydrate Metabolic Process,
	Hepatitis C, Protein targeting to Nucleus, Interaction of EGFR with phospholipase C-gamma,
	Thromboxane A2 Receptor Signaling, EGFR Downregulation

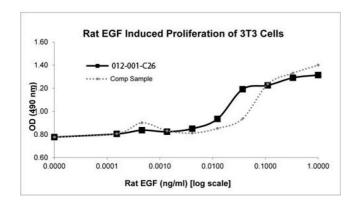
Application Details

Application Notes:	Application Note: Epidermal Growth Factor Recombinant Protein is suitable as a control for
	polyclonal or monoclonal anti-Epidermal Growth Factor in immunological assays.
	Other Performance Data: Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1
	EU/µg protein. Biologic Activity: The activity is determined by the dose-dependent proliferation
	of mouse BALB/c 3T3 cells and is typically less than 0.1 ng/mL.
Restrictions:	For Research Use only

Handling

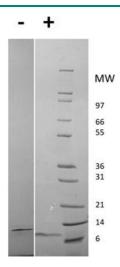
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 20 μL (20-200 μL) Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.01 M Sodium Phosphate, pH 7.5
Preservative:	Without preservative
Storage:	RT,4 °C,-20 °C
Expiry Date:	6 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Rat Epidermal Growth Factor Recombinant Protein Bioactivity of Rat Epidermal Growth Factor Recombinant Protein . 3T3 cells were cultured with 0 to 1 ng/mL Rat EGF. Cell proliferation was measured after 42 hours and the linear portion of the curve was us used to calculate the ED50. The ED50 of EGF is 50-80 pg/mL. This value is comparable to the typical expected range of 20-100 pg/mL.



SDS-PAGE

Image 2. SDS-PAGE of Rat Epidermal Growth Factor Recombinant Protein SDS-PAGE of Rat Epidermal Growth Factor Recombinant Protein. Lane 1: 1 μg Rat EGF in non-reducing conditions . Lane 2: 1 μg Rat EGF in reducing conditions (+). Lane 3: Molecular weight marker. Rat EGF is predicted to have a MW of 6.3 kDa.