

Datasheet for ABIN5855074

EGF Protein (AA 977-1029) (His tag)



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1 Image

Overview

Quantity:	5 µg
Target:	EGF
Protein Characteristics:	AA 977-1029
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EGF protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	NSYPGC PSSYDGYCLN GGVCMHIESL DSYTCNCVIG YSGDRCQTRD LRWWELR
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cell proliferation assay using mouse Balb/3T3 cell. The ED50 range ≤ 1 ng/ml.

Target Details

Target:	EGF
Alternative Name:	EGF (EGF Products)
Background:	Egf, also known as Pro-epidermal growth factor isoform1, is a 8. 6 kDa globular protein

Target Details

containing 77 amino acids residues, including 3 intra-molecular disulfide bonds. Egf is a potent growth factor that stimulates the proliferation of various epidermal and epithelial cells. Additionally, Egf has been shown to inhibit gastric secretion, and to be involved in wound healing. Egf signals through a receptor known as c-erbB, which is a class I tyrosine kinase receptor. Recombinant mouse Egf protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional column chromatography

Molecular Weight: 8.6 kDa (77aa) Confirmed by MALDI-TOF

NCBI Accession: [NP_034243](#)

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: Optimal working dilution should be determined by the investigator.

Comment: Bioactivity Validated

Restrictions: For Research Use only

Handling

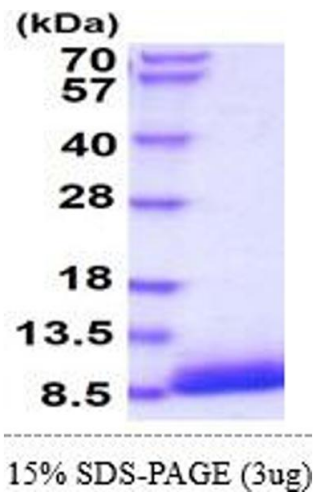
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl(pH 8.0) containing 0.1M NaCl, 2 mM DTT, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.