

Active Native Mouse Egf protein

Cat. No. Egf -634M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Mouse Egf, a single, glycosylated, polypeptide chain was purified from submaxillary gland.
Species	Mouse
Source	Mouse Submaxillary Gland
Form	The protein was lyophilized from a concentrated (1mg/ml) solution containing 0.01M sodium acetate buffer.
Bio-activity	The biological activity is measured in a proliferation assay using BALB/MK cells.
Molecular Mass	6.1 kDa
Purity	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Usage	For LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Lyophilized Epidermal Growth Factor Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution EGF should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution It is recommended to reconstitute the lyophilized Epidermal Growth Factor in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name Egf epidermal growth factor [*Mus musculus*]

Official Symbol Egf

Synonyms EGF; epidermal growth factor; pro-epidermal growth factor; Pro-epidermal growth factor precursor (EGF); AI790464;

Gene ID 13645

mRNA Refseq NM_010113

Protein Refseq NP_034243

MIM

UniProt ID P01132

Chromosome Location 3 G3; 3 58.5 Cm

Pathway Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem;

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Function

calcium ion binding; epidermal growth factor receptor binding; epidermal growth factor receptor binding; growth factor activity; protein binding;

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