

# Recombinant mouse EGF protein ab72994

## 1 References [画像数 1](#)

### 製品の詳細

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製品名	Recombinant mouse EGF protein
生理活性	The ED50, calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells (measured by 3H-thymidine uptake) is < 0.1 ng/ml.
精製度	> 95 % SDS-PAGE. Purity is greater than 97% as determined by reducing and non-reducing SDS-PAGE and analytical HPLC.
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Mouse
配列	NSYPGCPSSY DGYCLNGGVC MHIESLDSYT CNCVIGYSGD RCQTRDLRWW ELR

### 特性

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Our **Abpromise guarantee** covers the use of **ab72994** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Functional Studies
製品の状態	Lyophilized

### 前処理および保存

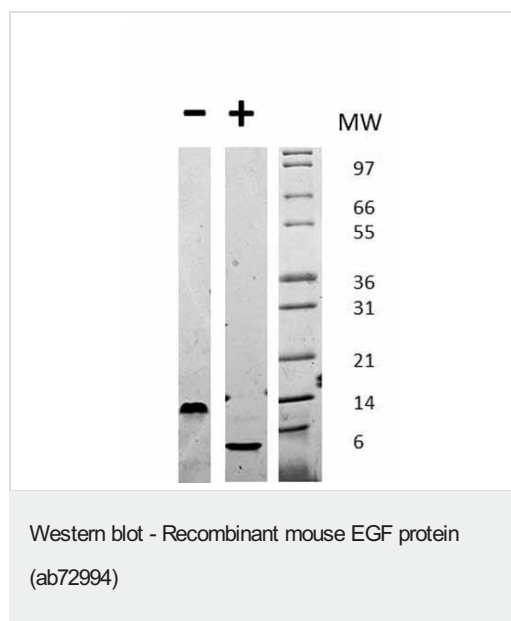
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保存方法および安定性	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Reconstitute with sterile water at a concentration of 0.1-0.5 mg/ml, which can be further diluted into other aqueous solutions. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

## 関連情報

機能	EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. Can induce neurite outgrowth in motoneurons of the pond snail <i>Lymnaea stagnalis</i> in vitro (PubMed:10964941).
組織特異性	Expressed in kidney, salivary gland, cerebrum and prostate.
関連疾患	Hypomagnesemia 4
配列類似性	Contains 9 EGF-like domains. Contains 9 LDL-receptor class B repeats.
翻訳後修飾	O-glycosylated with core 1-like and core 2-like glycans. It is uncertain if Ser-954 or Thr-955 is O-glycosylated. The modification here shows glycan heterogeneity: HexHexNAc (major) and Hex2HexNAc2 (minor).
細胞内局在	Membrane.

## 画像



ab72994 used in Western Blot. Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel stained with Coomassie Blue. Mouse EGF is predicted to be a homodimer with a MW of 12.4 kDa.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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