# Recombinant Mouse Egf Protein, His-tagged

**Cat. No.** Egf-873M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant mouse Egf (AAH60741.1) (Met1-Arg1029) was expressed with a polyhistidine tag at the C-terminus. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **ProteinLength** | 1-1029 a.a. |
| **Predicted N Terminal** | Trp 29 |
| **Form** | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol. |
| **Molecular Mass** | The recombinant mouse Egf consists 1012 amino acids and predicts a molecular mass of 111.3 kDa. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Purity** | >90 % as determined by SDS-PAGE. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70ºC. |
| **Storage** | Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents. |

## GENE INFORMATION

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| **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** | |
| **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-spe |
| **Function** | calcium ion binding; epidermal growth factor receptor binding; epidermal growth factor receptor binding; growth factor activity; protein binding; |

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