

Active Recombinant Mouse Egf protein(Asn977-Arg1029), hFc-tagged

Cat. No. Egf-868M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EGF (P01132) (Asn 977-Arg 1029) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Asn977-Arg1029
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.5-3 ng/mL.
Molecular Mass	The recombinant mouse EGF/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 314 amino acids and has a predicted molecular mass of 34.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 44 and 38 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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