

For Research Use Only

Recombinant Mouse EGF protein (rFc Tag)



Catalog Number: Eg1965

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse EGF protein Asn977-Arg1029 (Accession# P01132) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

13645

Accession:

P01132

Predicted Molecular Mass:

33.2 kDa

SDS-PAGE:

32-38 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Epidermal growth factor (EGF) is a member of the epidermal growth factor superfamily. EGF preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. EGF binds to the EGF receptor on the surface of cells and mediates intrinsic phosphorylation of the receptor on tyrosine residues. It has been detected in nearly all body fluids, such as urine (urogastrone), saliva, milk and platelet-rich plasma. EGF plays important roles in multiple biological processes, such as the regulation of cell growth, proliferation, and differentiation.

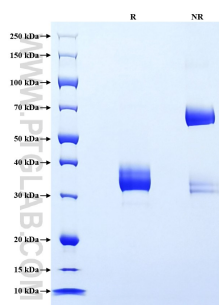
References

1. Gregory H. et al. (1985). J Cell Sci Suppl.3:11-7.
2. Stroobant P. et al. (1985). Cell.42(1):383-93.
3. Carpenter G. et al. (1986). Exp Cell Res.164(1):1-10.
4. Derynck R. et al. (1986). J Cell Biochem.32(4):293-304.
5. St-Arnaud R. et al. (1984). Biochimie.66(7-8):515-30.

Synonyms

EGF, Epidermal growth factor, Pro-epidermal growth factor

Selected Validation Data



Purity of Recombinant Mouse EGF was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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