

Recombinant Mouse EGFR protein(1-647aa), hFc-tagged

Cat. No. EGFR-102M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EGFR Protein (Q01279, 1-647aa), was expressed in HEK293 with C-terminal human IgG1 Fc tag.
Species	Mouse
Source	HEK293
ProteinLength	1-647 aa
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 by its ability to bind human EGF in a functional ELISA.
Molecular Mass	The secreted recombinant mouse EGFR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 864 amino acids and has a calculated molecular mass of 96 kDa. As a result of glycosylation, the apparent molecular mass of rmEGFR/Fc monomer is approximately 130 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
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

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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 Egfr epidermal growth factor receptor [*Mus musculus*]

Official Symbol EGFR

Synonyms EGFR; epidermal growth factor receptor; waved 2; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; Wa5; wa2; ErbB; Errp; wa-2; AI552599; 9030024J15Rik;

Gene ID 13649

mRNA Refseq NM_007912

Protein Refseq NP_031938

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