Active Recombinant Mouse EGFR, His tagged

Cat. No. EGFR-101M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EGFR Protein extracellular domain (Q01279, 1-647aa), was produced in Human Cell with C-terminal His tag.
Species	Mouse
Source	HEK293
ProteinLength	1-647 aa
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse EGFR-his at 10 μg/mL (100 μl/well) can bind human EGF-Fc, The EC50 of human EGF-Fc is 60-90 ng/mL. 3. Immobilized mouse EGFR-his at 10 μg/mL (100 μl/well) can bind mouse EGF-Fc, The EC50 of mouse EGF-Fc is 70-100 ng/mL.
Molecular Mass	The secreted recombinant mouse EGFR comprises 634 amino acids and has a calculated molecular mass of 70.8 kDa. As a result of glycosylation, the apparent molecular mass of rmEGFR is approximately 100 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. >85% as determined by SEC-HPLC.
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℃ 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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