

Active Recombinant Mouse Ereg, Fc tagged

Cat. No. Ereg-576M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ereg (Q61521) mature form (Val 56-Leu 101), fused with the Fc region of human IgG1 at the N-terminus, was produced in Human Cell.
Species	Mouse
Source	HEK293
ProteinLength	Val 56-Leu 101
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	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.5-2.5 µg/mL.
Molecular Mass	The recombinant mouse EREG/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 306 amino acids and has a predicted molecular mass of 33.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEREG/Fc monomer is approximately 37 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.
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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.
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GENE INFORMATION

Gene Name	Ereg epiregulin [<i>Mus musculus</i>]
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Official Symbol	Ereg
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Synonyms	EREG; epiregulin; proepiregulin; EPR; MGC36144;
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Gene ID	13874
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mRNA Refseq	NM_007950
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Protein Refseq	NP_031976
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