

Mouse EGFR/HER1 Protein



Cat. No. EGF-MM101

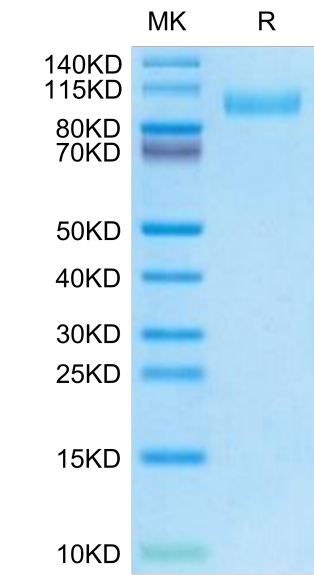
Description	
Source	Recombinant Mouse EGFR/HER1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu25-Ser647.
Accession	Q01279
Molecular Weight	The protein has a predicted MW of 70.40 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
The epidermal growth factor receptor is a transmembrane protein that is a receptor for members of the epidermal growth factor family of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.	

Assay Data

Bis-Tris PAGE



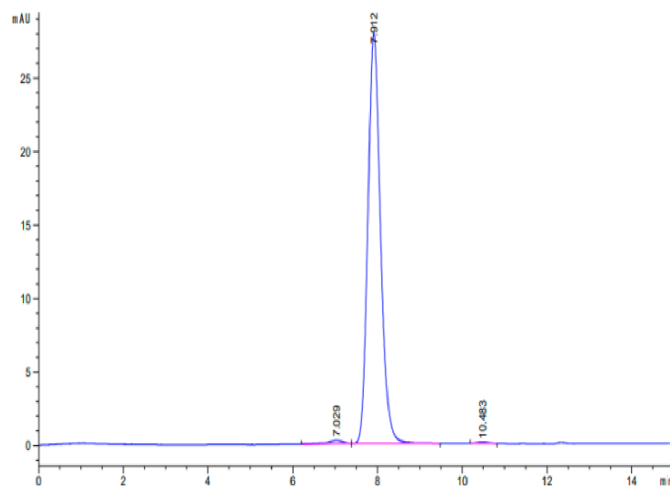
Mouse EGFR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse EGFR/HER1 Protein

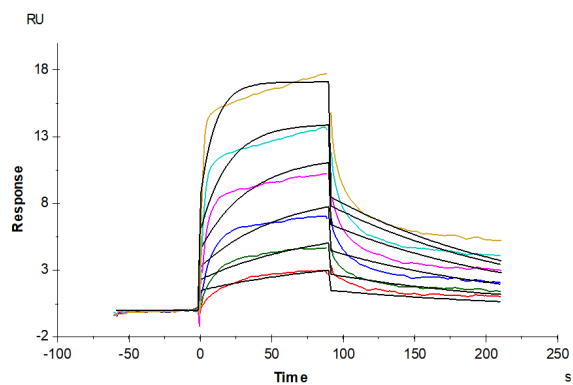
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Assay Data



The purity of Mouse EGFR is greater than 95% as determined by SEC-HPLC.

SPR Data



Mouse EGFR, His Tag captured on CM5 Chip via anti-his antibody can bind Mouse EGF, hFc Tag with an affinity constant of 3.98 nM as determined in SPR assay (Biacore T200).