

Datasheet for ABIN2181005
EGFR Protein (AA 25-647) (His tag)



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2 Images

Overview

Quantity:	50 µg
Target:	EGFR
Protein Characteristics:	AA 25-647
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFR protein is labelled with His tag.

Product Details

Sequence:	AA 25-647
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 70.1 kDa. The protein migrates as 110-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	EGFR
Alternative Name:	EGF R (EGFR Products)

Target Details

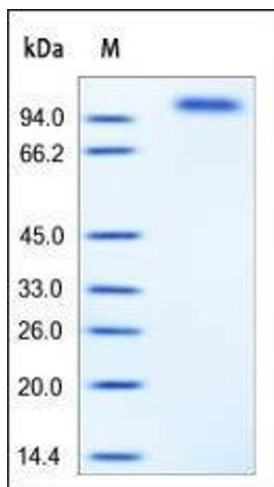
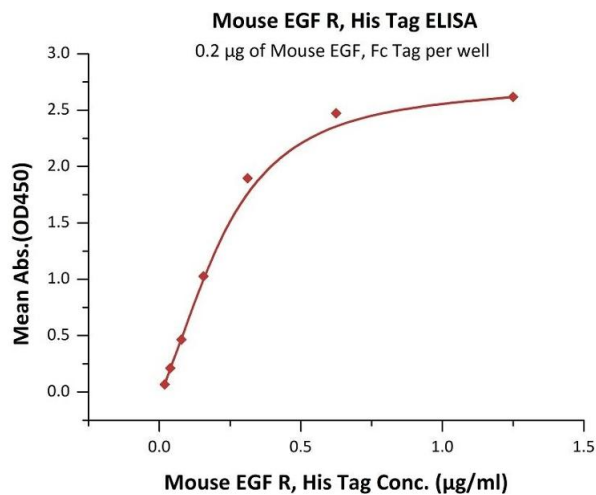
Background:	The epidermal growth factor receptor (EGFR, ErbB-1, HER1) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Mutations affecting EGFR expression or activity could result in cancer.
Molecular Weight:	71.2 kDa
NCBI Accession:	NP_997538
Pathways:	NF-kappaB Signaling , RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Stem Cell Maintenance , Hepatitis C , Positive Regulation of Response to DNA Damage Stimulus , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , EGFR Downregulation , S100 Proteins

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



ELISA

Image 1. Immobilized Mouse EGF, Fc Tag (ABIN6731280,ABIN6809909) at 2 µg/mL (100 µL/well) can bind Mouse EGF R, His Tag (ABIN2181005,ABIN2181004) with a linear range of 0.02-0.313 µg/mL (QC tested).

SDS-PAGE

Image 2. Mouse EGF R, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.