

Recombinant Human EGFR Protein, His-tagged, Alexa Fluor 555 conjugated

Cat. No. EGFR-30HAF555 Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human EGFR Protein extracellular domain (NP_005219, 1-645aa), was produced in Human Cell with C-terminal His tag and Alexa Fluor 555 conjugate.

Species

Human

Source

HEK293

ProteinLength

1-645 aa

Form

Lyophilized

Molecular Mass

The recombinant human EGF receptor consists of 630 amino acids and has a calculated molecular mass of 69.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 110 kDa protein in SDS-PAGE under reducing conditions.

Endotoxin


< 1.0 EU/ µg of the protein as determined by the LAL method.

Characteristic

Disulfide-linked homodimer
Labeled with Alexa Fluor 555 via amines
With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

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Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
Official Symbol	EGFR
Gene ID	1956
mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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