

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

Cat. No. EGFR-692HAF555 Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human EGFR Protein extracellular domain (NP_005219, 1-640aa), was produced in HEK293 with C-terminal human IgG1 Fc tag and Alexa Fluor 555 conjugate.

Species Human

Source HEK293

ProteinLength 1-640 aa

Form Lyophilized

Molecular Mass The recombinant human EGFR/Fc chimera is a homodimeric protein. The reduced monomer consists of 860 amino acids and has a calculated molecular mass of 95 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 130-140 kDa p

N-terminal Sequence Analysis Leu 25

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

Purity > 97 % as determined by SDS-PAGE

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Characteristic	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>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.</p>
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, pH7.4.
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

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UniProt ID

P00533

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