

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

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

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | 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.                                                                                               |
| <b>Species</b>                      | Human                                                                                                                                                                                                                                                           |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>                | 1-640 aa                                                                                                                                                                                                                                                        |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>               | 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 |
| <b>N-terminal Sequence Analysis</b> | Leu 25                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                    |
| <b>Purity</b>                       | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                                                |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Characteristic</b> | <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> |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                                                           |
| <b>Storage</b>        | 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.                                                                                                      |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH7.4.                                                                                                                                                                                                                                     |
| <b>Reconstitution</b> | 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.                                                                                                |
| <b>Conjugation</b>    | Alexa Fluor 555                                                                                                                                                                                                                                                          |

## GENE INFORMATION

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| <b>Gene Name</b>       | EGFR epidermal growth factor receptor [ Homo sapiens ] |
| <b>Official Symbol</b> | EGFR                                                   |
| <b>Gene ID</b>         | 1956                                                   |
| <b>mRNA Refseq</b>     | NM_005228                                              |
| <b>Protein Refseq</b>  | NP_005219                                              |
| <b>MIM</b>             | 131550                                                 |

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**UniProt ID**

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