

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

**Cat. No.** MET-196HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant human MET Protein (Glu 25 - Thr 932) (AAI30421.1), fused with Fc fragment of human IgG1 at the C-terminus, was expressed in HEK293.                                                                                                                                                                                                                       |
| <b>Species</b>                      | Human                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>                | Glu25-Thr932                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>               | The mature form of HGFR is a disulfide-linked heterodimer composed of proteolytically cleaved $\alpha$ and $\beta$ chain. Each $\alpha$ and $\beta$ chain has a calculated MW of 32.5 kDa ( $\alpha$ chain) and 96.7 kDa ( $\beta$ chain Fc chimera). Protein migrates as 45 kDa ( $\alpha$ chain) and 120-125 kDa ( $\beta$ chain Fc chimera) in reduced SDS-PAGE resulting from glycosylation. |
| <b>N-terminal Sequence Analysis</b> | The predicted N-terminal is Glu 25 ( $\alpha$ chain) & Ser 308 ( $\beta$ chain Fc chimera).                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>                    | < 1.0 EU/ $\mu$ g by the LAL method.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                       | > 95 % 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 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.                                                                                                                                                                                               |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. 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>       | <b>MET</b> met proto-oncogene (hepatocyte growth factor receptor) [ Homo sapiens ]                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | <b>MET</b>                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | MET; met proto-oncogene (hepatocyte growth factor receptor); hepatocyte growth factor receptor; HGFR; RCCP2; SF receptor; HGF receptor; oncogene MET; HGF/SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogene tyrosine kinase; AUTS9; c-Met; |
| <b>Gene ID</b>         | <b>4233</b>                                                                                                                                                                                                                                                                                          |

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|----------------|---------------------------|
| mRNA Refseq    | <a href="#">NM_000245</a> |
| Protein Refseq | <a href="#">NP_000236</a> |
| MIM            | <a href="#">164860</a>    |
| UniProt ID     | <a href="#">P08581</a>    |

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