

## Recombinant Rat Met Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** MET-382RAF647    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant Rat Met (Q2IBC7) (Met1-Asn932), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cells.                                                                                                   |
| <b>Species</b>                      | Rat                                                                                                                                                                                                                                                             |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>                | 1149                                                                                                                                                                                                                                                            |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>               | The recombinant rat MET/Fc is a disulfide-linked homodimer. The reduced monomer comprises 1149 amino acids and has a predicted molecular mass of 128.1 kDa. The apparent molecular mass of the protein is approximately 97 and 39 kDa in SDS-PAGE under reducin |
| <b>N-terminal Sequence Analysis</b> | Glu 25                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                    |
| <b>Purity</b>                       | (63.0+32.1) % as determined by SDS-PAGE                                                                                                                                                                                                                         |
| <b>Characteristic</b>               | Disulfide-linked homodimer                                                                                                                                                                                                                                      |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Labeled with Alexa Fluor 647 via amines</p> <p>Excitation = 650 nm</p> <p>Emission = 668 nm</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, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                               |
| <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 647                                                                                                                                                           |

## GENE INFORMATION

|                        |                                              |
|------------------------|----------------------------------------------|
| <b>Gene Name</b>       | Met met proto-oncogene [ Rattus norvegicus ] |
| <b>Official Symbol</b> | Met                                          |
| <b>Gene ID</b>         | 24553                                        |
| <b>mRNA Refseq</b>     | NM_031517                                    |
| <b>Protein Refseq</b>  | NP_113705                                    |

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