## PRODUCT INFORMATION

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|---|---|
| **Target** | MERTK |
| **Synonyms** | Tyrosine-protein kinase Mer;Proto-oncogene c-Mer;Receptor tyrosine kinase MerTK |
| **Description** | Recombinant human MERTK protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | Q12866 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc Tag |
| **Molecular Characterization** | MERTK(Ala21-Ile505) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 78.8 kDa after removal of the signal peptide. The apparent molecular mass of MERTK-hFc is approximately 100-130 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq, Jul 2008] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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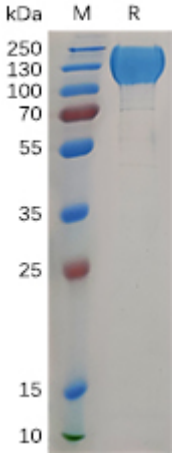



**Figure 1.** Human MERTK Protein, hFc Tag on SDS-PAGE under reducing condition.

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