

HUMAN MERTK PROTEIN, HFC TAG

Cat.#: 11702

Product Name: Human MERTK Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Tyrosine-protein kinase Mer;Proto-oncogene c-Mer;Receptor tyrosine kinase MerTK

Target: MERTK

UNIPROT ID: Q12866

Description: Recombinant human MERTK protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: MERTK(Ala21-Ile505) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

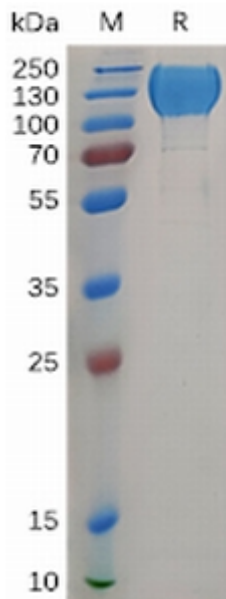


Figure 1. Human MERTK Protein, hFc Tag on SDS-PAGE under reducing condition.