

## Recombinant Human MERTK Protein, hFc-Avi tagged, Biotinylated

**Cat. No.** MERTK-03H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human MerTK (C-hFc-Avi) is produced by Human Cells. The target gene encoding Arg26-Ala499 is expressed with a C-hFc-Avi tag.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	Arg26-Ala499
<b>Description</b>	Tyrosine-protein kinase Mer(MERTK) is a member of the TYRO3/AXL/MER (TAM) 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. Following activation by ligand, interacts with GRB2 or PLCG2 and induces phosphorylation of MAPK1, MAPK2, FAK/PTK2 or RAC1. MERTK signaling plays a role in various processes such as macrophage clearance of apoptotic cells, platelet aggregation, cytoskeleton reorganization and engulfment. Functions in the retinal pigment epithelium (RPE) as a regulator of rod outer segments fragments phagocytosis. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3.
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 EU/μg)
<b>Storage Buffer</b>	Lyophilized from a 0.2

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µm filtered solution of PBS, pH 7.4

**Shipping** Ambient

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** MERTK c-mer proto-oncogene tyrosine kinase [ Homo sapiens (human) ]

**Official Symbol** MERTK

**Synonyms** MERTK; Mer

**Gene ID** 10461

**mRNA Refseq** NM\_006343

**Protein Refseq** NP\_006334

**MIM** 604705

**UniProt ID** Q12866

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