

Recombinant Human MERTK Protein, hFc-Avi tagged, Biotinylated

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	Arg26-Ala499
Description	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.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Lyophilized from a 0.2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA