

Recombinant Human MERTK Protein, Fc\Avi-tagged

Cat. No. MERTK-175H 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	26-499 a.a.
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.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
AA Sequence	Arg26-Ala499

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Endotoxin Less than 0.1 ng/ug (1 EU/ug).

Shipping Ambient

GENE INFORMATION

Gene Name MERTK MER proto-oncogene, tyrosine kinase [Homo sapiens (human)]

Official Symbol MERTK

Synonyms MER; RP38; c-Eyk; c-mer; Tyro12

Gene ID 10461

mRNA Refseq NM_006343.3

Protein Refseq NP_006334.2

MIM 604705

UniProt ID Q12866

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