

Recombinant Mouse MERTK Protein, Fc-tagged

Cat. No. MERTK-176M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse MerTK (C-hFc) is produced by Human Cells. The target gene encoding Glu23 - Phe498 is expressed with a C-hFc tag.
Species	Mouse
Source	Human Cells
ProteinLength	23-498 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	Glu23 - Phe498

 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



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

Shipping Ambient

GENE INFORMATION

Gene Name [Mertk MER proto-oncogene tyrosine kinase \[Mus musculus \(house mouse\) \]](#)

Official Symbol [MERTK](#)

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

Gene ID [17289](#)

mRNA Refseq [NM_008587.2](#)

Protein Refseq [NP_032613.1](#)

UniProt ID [Q60805](#)

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