

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

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Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
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Shipping	Ambient
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GENE INFORMATION

Gene Name	Mertk MER proto-oncogene tyrosine kinase [Mus musculus (house mouse)]
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Official Symbol	MERTK
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Synonyms	MER; RP38; c-Eyk; c-mer; Tyro12
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Gene ID	17289
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mRNA Refseq	NM_008587.2
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Protein Refseq	NP_032613.1
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UniProt ID	Q60805
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