

## Recombinant Mouse MERTK Protein, Fc-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Mouse MerTK (C-hFc) is produced by Human Cells. The target gene encoding Glu23 - Phe498 is expressed with a C-hFc tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 23-498 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>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.</p> |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | Glu23 - Phe498                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                  |                                |
|------------------|--------------------------------|
| <b>Endotoxin</b> | Less than 0.1 ng/ug (1 EU/ug). |
|------------------|--------------------------------|

|                 |         |
|-----------------|---------|
| <b>Shipping</b> | Ambient |
|-----------------|---------|

## GENE INFORMATION

|                  |                                                                         |
|------------------|-------------------------------------------------------------------------|
| <b>Gene Name</b> | Mertk MER proto-oncogene tyrosine kinase [ Mus musculus (house mouse) ] |
|------------------|-------------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | MERTK |
|------------------------|-------|

|                 |                                 |
|-----------------|---------------------------------|
| <b>Synonyms</b> | MER; RP38; c-Eyk; c-mer; Tyro12 |
|-----------------|---------------------------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 17289 |
|----------------|-------|

|                    |             |
|--------------------|-------------|
| <b>mRNA Refseq</b> | NM_008587.2 |
|--------------------|-------------|

|                       |             |
|-----------------------|-------------|
| <b>Protein Refseq</b> | NP_032613.1 |
|-----------------------|-------------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | Q60805 |
|-------------------|--------|

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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