

## Recombinant Human MERTK protein, His & T7-tagged

Cat. No. MERTK-1183H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MERTK aa. (Leu587~Leu858 (Accession # Q12866) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu587~Leu858
<b>Description</b>	This gene is a member of the MER/AXL/TYRO3 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. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	32kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.2.

 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>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	MERTK MER proto-oncogene, tyrosine kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	MERTK
<b>Synonyms</b>	MERTK; MER proto-oncogene, tyrosine kinase; MER; RP38; c-Eyk; c-mer; Tyro12; tyrosine-protein kinase Mer; MER receptor tyrosine kinase; STK kinase; c-mer proto-oncogene tyrosine kinase; proto-oncogene c-Mer; receptor tyrosine kinase MerTK
<b>Gene ID</b>	10461
<b>mRNA Refseq</b>	NM_006343.2
<b>Protein Refseq</b>	NP_006334.2

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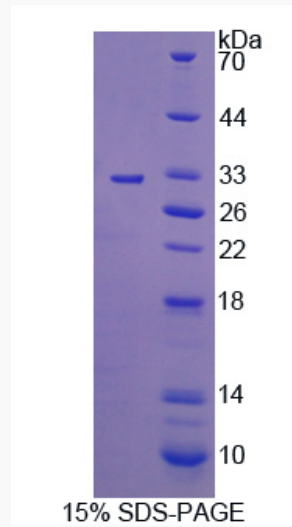
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UniProt ID

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SDS-PAGE



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