

Recombinant Human MERTK protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MERTK aa. (Leu587~Leu858 (Accession # Q12866) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu587~Leu858
Description	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).
Form	Freeze-dried powder
Molecular Mass	32kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MERTK MER proto-oncogene, tyrosine kinase [Homo sapiens (human)]
Official Symbol	MERTK
Synonyms	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
Gene ID	10461
mRNA Refseq	NM_006343.2
Protein Refseq	NP_006334.2

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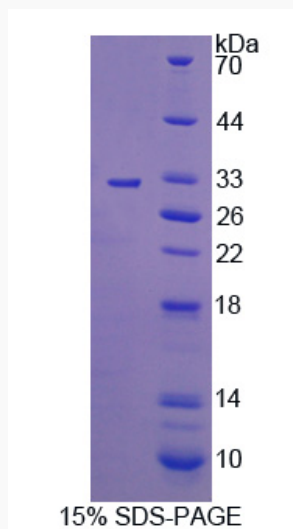
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UniProt ID

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SDS-PAGE

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