

Datasheet for ABIN7320009

**MERTK Protein (GST tag,His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	MERTK
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MERTK protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Mouse MERTK/MER Protein (His & GST Tag)(Active)
Sequence:	Glu573-Tyr867
Characteristics:	A DNA sequence encoding the mouse MERTK (Q60805) (Glu573-Tyr867) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 96 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 30 nmol/min/mg using Poly(Glu,Tyr) 4:1 as substrate

## Target Details

Target:	MERTK
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## Target Details

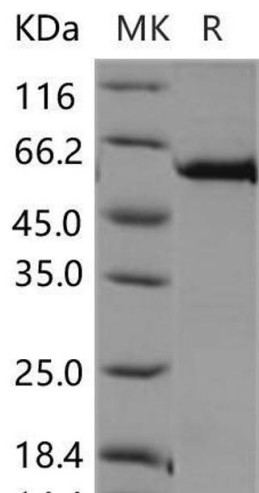
Alternative Name:	MERTK/MER ( <a href="#">MERTK Products</a> )
Background:	<p>Background: Proto-oncogene tyrosine-protein kinase MER (MERTK) is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. MERTK is localized in membrane and is not expressed in normal B- and T-lymphocytes but is expressed in numerous neoplastic B- and T-cell lines. This protein is highly expressed in testis, ovary, prostate, lung, and kidney, with lower expression in spleen, small intestine, colon, and liver. MERTK regulates many physiological processes including cell survival, migration, differentiation, and phagocytosis of apoptotic cells (efferocytosis). Ligand binding at the cell surface induces autophosphorylation of MERTK on its intracellular domain that provides docking sites for downstream signaling molecules. MERTK signaling plays a role in various processes such as macrophage clearance of apoptotic cells, platelet aggregation, cytoskeleton reorganization and engulfment. MERTK 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. Defects in MERTK are the cause of retinitis pigmentosa type 38.</p> <p>Synonym: Eyk,Mer,nmf12,Nyk</p>
Molecular Weight:	61.7 kDa
UniProt:	<a href="#">Q60805</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.