SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

# Product Information

**MemDX™ Membrane Protein Human MERTK (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).) for Antibody Discovery**

Cat. No.: **MP0083Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 52.6 kDa Human MERTK membrane protein expressed in Sf9. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

## Product Specifications

**Host Species**
Human

**Target Protein**
MERTK

**Protein Length**
Partial

**Protein Class**
Druggable Genome, Protein Kinase, Transmembrane

**Molecular Weight**
52.6 kDa

**TMD**
1

**Sequence**
MGPAPLPLLLGLFLPALWRRAITEAREEAKPYPLFPGPFPGSLQTDHTPLLSLPHASGYQPALMFSPTQPGRPHTGNVAIPQVTSVE

## Product Description

**Expression Systems**
Sf9

**Tag**

C-DDK

**Form**

Powder

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

## Target

**Target Protein**

MERTK

**Full Name**

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).

**Introduction**

MER proto-oncogene, tyrosine kinase.

**Alternative Names**

tyrosine-protein kinase Mer; MER receptor tyrosine kinase; STK kinase; c-mer proto-oncogene tyrosine kinase; receptor tyrosine kinase MerTK; Proto-oncogene c-Mer

**Gene ID**

10461

**UniProt ID**

Q12866

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