

Recombinant Human MERTK Kinase

Catalog No.: RP03416LQ

Sequence Information

Species **Gene ID**
Human 10461

Swiss Prot **Tags**
Q12866 N-Flag

Synonyms

MERTK; MER; c-Mer; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK; Tyrosine-protein kinase Mer

Product Information

Source **Purification**
Baculovirus-Insect Cells ≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Calculated MW **Observed MW**
57.2 kDa 50-60 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM HEPES, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, 1 mM PMSF. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Background

Proto-oncogene tyrosine-protein kinase MER is an enzyme that in humans is encoded by the MERTK gene. This gene 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. 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).

Basic Information

Description

Recombinant Human MERTK Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Arg528-Met999) of Human MERTK (Accession #Q12866) fused with a N-Flag tag.

Activity

The activity of MERTK is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

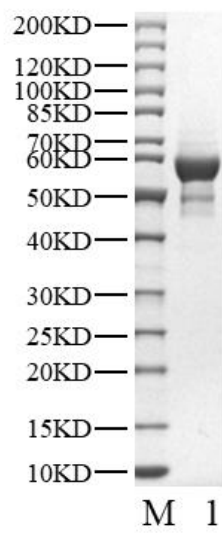
Contact

☎ | 400-999-6126

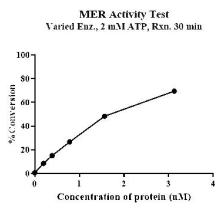
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human MERTK Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



The activity of MERTK is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.