

Catalog No.: RP03416LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	10461	Q12866

N-Flag

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

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

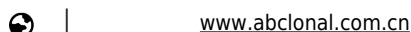
Calculated MW	Observed MW
57.2 kDa	50-60 kDa

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

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.

Please use running water to thaw it quickly.

 | 400-999-6126



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).

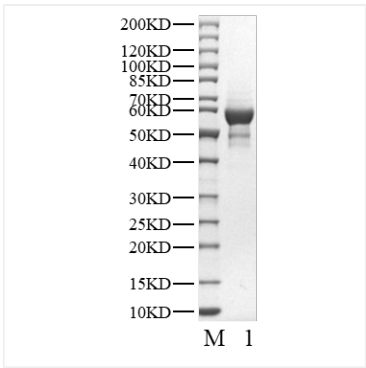
Recombinant Human MERTK Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Arg528-Met999) of Human MERTK (Accession #Q12866) fused with a N-Flag tag.

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.

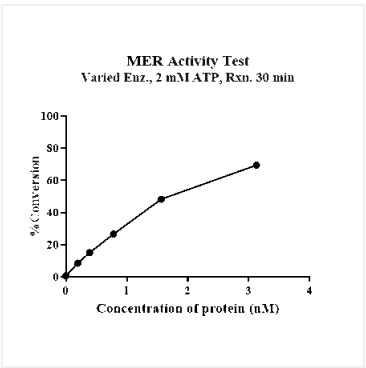
Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

Validation Data



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



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