

Mouse MERTK/Mer Protein

Cat. No. MEK-MM101

Description

Source	Recombinant Mouse MERTK/Mer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly19-Met497.
Accession	Q60805
Molecular Weight	The protein has a predicted MW of 53.38 kDa. Due to glycosylation, the protein migrates to 85-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

MER tyrosine kinase (MERTK) encodes a surface receptor localized at the apical membrane of the retinal pigment epithelium. It plays a critical role in photoreceptor outer segment internalization prior to phagocytosis. Mutations in MERTK have been associated with severe autosomal recessive retinal dystrophies in the RCS rat and in humans.

Assay Data

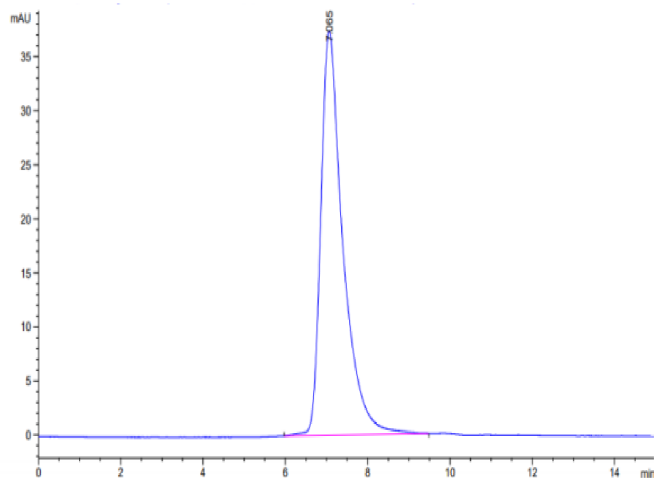
Bis-Tris PAGE



Mouse MERTK on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse MERTK is greater than 95% as determined by SEC-HPLC.