Cynomolgus MERTK/Mer Protein

Cat. No. MEK-CM101

Description

Source	Recombinant Cynomolgus MERTK/Mer Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Ala23-Ile507.
Accession	XP_005575320.2
Molecular Weight	The protein has a predicted MW of 53.85 kDa. Due to glycosylation, the protein migrates to 58-115 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

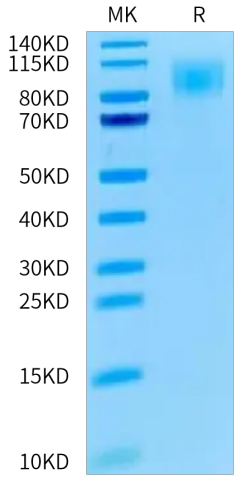
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

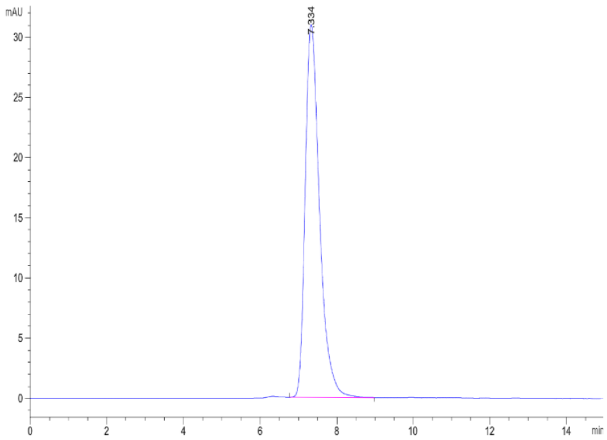
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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