

## 32-6990: MERTK Mouse

**Alternative Name :** Tyrosine-protein kinase Mer, Proto-oncogene c-Mer, Receptor tyrosine kinase MerTK, Mertk, Mer.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Proto-oncogene tyrosine-protein kinase MER is a protein, this enzyme is coded from the MERTK gene. This gene is a part of the TYRO3/AXL/MER receptor kinase group and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) sites, and one tyrosine kinase site. Mutations in this gene have been correlated with interruption of the retinal pigment epithelium phagocytosis process and commencement of autosomal recessive retinitis pigmentosa.

MERTK Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 718 amino acids (19-497 aa) and having a molecular mass of 79.2kDa. MERTK is fused to a 239 amino acid hlgG-His-Tag at C-terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The MERTK solution (0.5 mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** GGTAEKWEET ELDQLFSGPL PGRLPVNHPR FSAPHSSRDQ LPPPQTGRSH PAHTAAPQVTSTASKLLPPV  
AFNHTIGHIV LSEHKNVKFN CSINIPNTYQ ETAGISWWKD GKELLGAHHSITQFYDPDEEG VSIHALFSIA  
SVQRSDNGSY FCKMKVNNRE IVSDPIYVEV QGLPYFIKQPESVNVTRNTA FNLTCQAVGP PEPVNIFWVQ  
NSSRVNEKPE RSPSVLTPVG LTETAVFSCEAHNDKGLTVS KGVHINIKVI PSPPTEVHIL NSTAHSILVS  
WVPGFDGYSP LQNCISQVKEADRLSNGSVM VFNTSASPHL YEIQQLQALA NYSIAVSCRN EIGWSAVSPW  
ILASTTEGAPSVAPLNITVF LNESNNILDI RWTKPPIKQ DGELVGYRIS HWWESAGTYK  
ELSEEVSQNGSWAQIPVQIH NATCTVRIAA ITKGGIGPFS EPVNIHPEH SKVDYAPSST  
PAPGNTDSMLEPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD  
VSHEDPEVKFNWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN  
KALPAPIEKTISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG  
QPENNYKTTTPVLDSGDSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTKSLSLSP GKHHHHHH