
Product Data Sheet

Product Name: MERTK Mouse

Cat. No.: GP26192

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition with Ice Packs

Synonyms Tyrosine-protein kinase Mer, Proto-oncogene c-Mer, Receptor tyrosine kinase MerTK, Mertk, Mer.

GGTAEKWEET ELDQLFSGPL PGRLPVNHRP FSAPHSSRDQ LPPPQTGRSH
 PAHTAAPQVTSTASKLLPPV AFNHTIGHIV LSEHKNVKFN CSINIPNTYQ
 ETAGISWWKD GKELLAGHHSITQFYPDEEG VSIIALFSIA SVQRSNNGSY
 FCKMKVNNRE IVSDPIYVEV QGLPYFIKQPESVNVTRNTA FNLTCQAVGP
 PEPVNIFWVQ NSSRVNEKPE RSPSVLTVPG LTETAVFSCEAHNDKGLTVS
 KGVHINIKVI PSPPTEVHIL NSTAHSILVS WVPGFDGYSP
 LQNCSIQVKEADRLSNGSVM VFNTSASPHL YEIQQLQALA NYSIAVSCRN
 EIGWSAVSPW ILASTTEGAPSVAPLNITVF LNESNNILDI RWTKPPIKRQ
 DGELVGYRIS HVWESAGTYK ELSEEVSQNGSWAQIPVQIH NATCTVRIAA
 ITKGGIGPFS EPVNIIPPEH SKVDYAPSST PAPGNTDSMLEPKSCDKTHT
 CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD
 VSHEDPEVKFNWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN
 GKEYKCKVSN KALPAPIEKTISKAKGQPRE PQVYTLPPSR DELTKNQVSL
 TCLVKGFYPS DIAVEWESNG QPENNYKTPPVLDSDGSFF LYSKLTVDKS
 RWQQGNVFC SVMHEALHNH YTQKSLSLSP GKHHHHHH

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

Introduction

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

Caution: Product has not been fully validated for medical applications. For research use only.

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have been correlated with interruption of the retinal pigment epithelium phagocytosis process and commencement of autosomal recessive retinitis pigmentosa.

Stability

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.

Background

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.

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