

Recombinant Mouse Mertk Protein, hlgG&His-tagged

Cat. No. Mertk-23M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mertk Protein, hlgG&His-tagged,expressed in Baculovirus.
Species	Mouse
Source	Baculovirus
ProteinLength	19-497 aa
Description	Mer, also known as Tyrosine-protein kinase Mer, is one of the receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm. It regulates many physiological processes including cell survival, migration, differentiation, and phagocytosis of apoptotic cells. This protein plays a role in various processes such as macrophage clearance of apoptotic cells, platelet aggregation, cytoskeleton reorganization and engulfment. Mutations in this protein have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). Recombinant mouse Mer, fused to hlgG-His-tag, was expressed in insect cell and purified by using conventional chromatography techniques.
Tag	hlgG&His
Molecular Mass	79.2 kDa
AA Sequence	GGTAEKWEET ELDQLFSGPL PGRLPVNHRP FSAPHSSRDQ LPPPQTGRSH PAHTAAPQVT STASKLLPPV AFNHTIGHIV

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LSEHKNVKFN CSINIPNTYQ ETAGISWWKD GKELLGAHHS ITQFYPDEEG
 VSIIALFSIA SVQRSDNGSY FCKMKVNNRE
 IVSDPIYVEV QGLPYFIKQP ESVNVTRNTA FNLTCQAVGP PEPVNIFWWQ
 NSSRVNEKPE RSPSVLTVPG LTETAVFSC
 AHNDKGLTVS KGVHINIKVI PSPPTEVHIL NSTAHSILVS WVPGFDGYSP
 LQNCISIQVKE ADRLSNGSVM VFNTSASPHL
 YEIQQLQALA NYSIAVSCRN EIGWSAVSPW ILASTTEGAP SVAPLNITVF
 LNESNNILDI RWTKPPIKRQ DGELVGYRIS
 HWWESAGTYK ELSEEVSQNG SWAQIPVQIH NATCTVRIAA ITKGGIGPFS
 EPVNIIPPEH SKVDYAPSST PAPGNTDSM
 EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD
 VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ
 YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE
 PQVYTLPPSR DELTKNQVSL TCLVKGFYPS
 DIAVEWESNG QPENNYKTHP PVLDSGGSFF LYSKLTVDKS RWQQGNVFSC
 SVMHEALHNNH YTQKSLSLSP GKHHHHHHH

Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by absorbance at 280nm)
Storage Buffer	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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References

Grabiec AM., et al. (2018) Eur J Immunol. 48:855-860.

McHenry CL., et al. (2004) Invest Ophthalmol Vis Sci. 45:1456-1463.

GENE INFORMATION

Gene Name MERTK MER proto-oncogene tyrosine kinase [Mus musculus (house mouse)]

Official Symbol MERTK

Synonyms MERTK, Proto-oncogene c-Mer, Receptor tyrosine kinase MerTK, Eyk, Mer, nmf12, Nyk, Tyrosine-protein kinase Mer

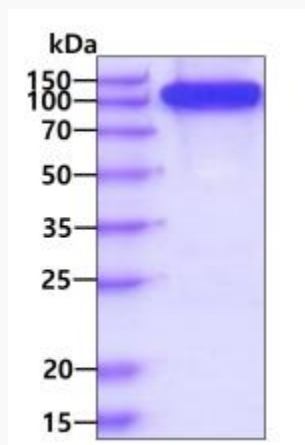
Gene ID 17289

mRNA Refseq NM_008587

Protein Refseq NP_032613

UniProt ID Q60805

3ug by SDS-PAGE
under reducing
condition and
visualized by
coomassie blue
stain.



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