

Recombinant Mouse Merck Protein, hlgG&His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Merck Protein, hlgG&His-tagged, expressed in Baculovirus.
Species	Mouse
Source	Baculovirus
Protein Length	19-497 aa
Description	<p>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.</p>
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 GKELLAGAHS ITQFYPDEEG
 VSIIALFSIA SVQRSDNGSY FCKMKVNNRE
 IVSDPIYVEV QGLPYFIKQP ESVNVTRNTA FNLTCQAVGP PEPVNIFWWQ
 NSSRVNEKPE RSPSVLTVPG LTETAVFSCF
 AHNDKGLTVS KGVHINIKVI PSPPTTEVHIL NSTAHSILVS WVPGFDGYSP
 LQNCISIQVKE ADRLSNGSVM VFNTSASPHL
 YEIQQLQALA NYSIAVSCRN EIGWSAVSPW ILASTTEGAP SVAPLNITVF
 LNESNNILDI RWTKPPIKRQ DGELVGYRIS
 HWWESAGTYK ELSEEVSQNG SWAQIPVQIH NATCTVRIAA ITKGGIGPFS
 EPVNIHPEH SKVDYAPSST PAPGNTDSM
 EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD
 VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ
 YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE
 PQVYTLPPSR DELTKNQVSL TCLVKGFYPS
 DIAVEWESNG QPENNYKTP PVLDSGGSFF LYSKLTVDKS RWQQGNVFSC
 SVMHEALHNNH YTQKSLSLSP GKHHHHHH

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

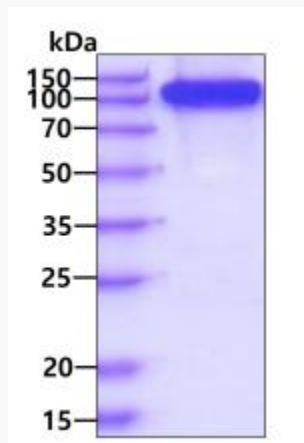
Gene ID [17289](#)

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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SDS-PAGE

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