Datasheet for ABIN7596411

MERTK Protein (AA 19-497) (hIgG-His-tag)

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Overview

Quantity:	500 µg
Target:	MERTK
Protein Characteristics:	AA 19-497
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MERTK protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	GGTAEKWEET ELDQLFSGPL PGRLPVNHRP FSAPHSSRDQ LPPPQTGRSH PAHTAAPQVT STASKLLPPV AFNHTIGHIV LSEHKNVKFN CSINIPNTYQ ETAGISWWKD GKELLGAHHS ITQFYPDEEG VSIIALFSIA SVQRSDNGSY FCKMKVNNRE IVSDPIYVEV QGLPYFIKQP ESVNVTRNTA FNLTCQAVGP PEPVNIFWVQ NSSRVNEKPE RSPSVLTVPG LTETAVFSCE AHNDKGLTVS KGVHINIKVI PSPPTEVHIL NSTAHSILVS WVPGFDGYSP LQNCSIQVKE ADRLSNGSVM VFNTSASPHL YEIQQLQALA NYSIAVSCRN EIGWSAVSPW ILASTTEGAP SVAPLNITVF LNESNNILDI RWTKPPIKRQ DGELVGYRIS HVWESAGTYK ELSEEVSQNG SWAQIPVQIH NATCTVRIAA ITKGGIGPFS EPVNIIIPEH SKVDYAPSST PAPGNTDSM
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	MERTK
Alternative Name:	Mer (MERTK Products)
Background:	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 hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	79.2 kDa (718aa)
NCBI Accession:	NP_032613
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.