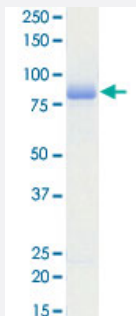


Bioactive

MERTK (Human) Recombinant Protein

Catalog # P5596 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MERTK (NP_006334.2, 528 a.a. - 999 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	80
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography and anion exchange chromatography
Purity	97 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: CSKtide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — MERTK

Entrez GeneID	10461
Protein Accession#	NP_006334.2
Gene Name	MERTK
Gene Alias	MER, MGC133349, RP38, c-mer
Gene Description	c-mer proto-oncogene tyrosine kinase
Omim ID	268000 604705
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq]
Other Designations	MER receptor tyrosine kinase STK kinase

Disease

- [Carotid Artery Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Leukopenia](#)
- [Lupus Erythematosus](#)
- [Lymphopenia](#)
- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)