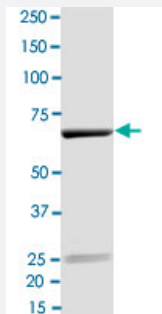


Bioactive

TEK (Human) Recombinant Protein

Catalog # P4784 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human TEK (NM_000459, 771 a.a. - 1124 a.a.) partial recombinant protein with GST tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	66.88200000000001
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST affinity chromatography
Concentration	0.672 ug/uL

Activity	481 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 15 mM reduced glutathione, 20% 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 — TEK

Entrez GeneID	7010
Protein Accession#	NM_000459
Gene Name	TEK
Gene Alias	CD202B, TIE-2, TIE2, VMCM, VMCM1
Gene Description	TEK tyrosine kinase, endothelial
Omim ID	600195 600221
Gene Ontology	Hyperlink
Gene Summary	The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats , and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations; the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase. [provided by RefSeq]
Other Designations	OTTHUMP00000021167 soluble TIE2 variant 1 soluble TIE2 variant 2

Disease

- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)
- [Vascular Malformations](#)