

Product Information

MemDX™ Membrane Protein Human TEK (TEK receptor tyrosine kinase) expressed in insect for Antibody Discovery

Cat. No.: **MP0146Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 250 kDa Human TEK membrane protein expressed in Insect. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TEK

Protein Length

Full-length

Protein Class

Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

Molecular Weight

250 kDa

TMD

1

Sequence

MDSLASLVLCGVSLLLSGTVEGAMDILINSLPLVSDAETSLTCIASGWRPHEPITIGRD
FEALMNQHQDPLEVTQDVTREWAKKVWVKREKASKINGAYFCEGRVVRGEAIRIRTMKMRQ
QASFLPATLTMTVDKGDNVNISFKKVLKEEDAVIYKNGSFIHSVPRHEVPDILEVHLPH
AQPQDAGVYSARYIGGNLFTSAFTRLIVRRCEAQKWGPECNHLCTACMNNGVCHEDTGEC
ICPPGFMGRTCEKACELHTFGRTCKERCSGQEGCKSYVFCCLPDYPYGCSCATGWKGLQCNE
ACHPGFYGPDKLRCSCNNGEMCDRFQGGCLCSPGWQGLQCEREGIQRMTPKIVDLPDHIE
VNSGKFNPICKASGWPLPTNEEMTLVKPDGTVLHPKDFNHTDHFSAIFTIHRILPPDSG
VWVCSVNTVAGMVEKPFNISVKVLPKPLNAPNVIDTGHNFAVINISSEPYFGDGPISKK
LLYKPVNHYEAWQHIQVTNEIVTLNYLEPRTEYELCVQLVRRGEGGEGHGPVRRFTTAS
IGLPPRGLNLLPKSQTTLNLTWQPIFPSEDDFYVEVERRSVQKSDQQNIKVPGNLTSV
LLNNLHPREQYVVRARVNTKAQGEWSEDLTAWTLSDILPPQPENIKISNITHSSAVISWT
ILDGYSISSITIRYKVQGKNEDQHV DVKIKNATITQYQLKGLEPETAYQVDIFAENNIGS
SNPAFSHELVTLPESQAPADLGGGKMILLAILGSAGMTCLTVLLAFLIILQLKRANVQRR
MAQAFQNVREPAVQFNSGTLALNRKVKNPDPTIYPVLDWNDIKFQDVIGEGNFGQVLK
ARIKKDGLRMDAAIKRMKEYASKDDHRDFAGELEVLCGLGHHPNIIINLLGACEHRGYLYL
AIEYAPHGNLLDFLRKSRVLETDPAFAIANSTASTLSSQQLLHFAADVARGMDYLSQKQF
IHRDLAARNILVGENYVAKIADFGLSRGQEVYVKKTMGRLPVRWMAIESLNYSVYTTNSD
VWSYGVLLWEIVSLGGTPYCGMTCAELYEKLPGQYRLEKPLNCDDEVYDLMRQCWREKPY
ERPSFAQILVSLNRMLEERKTYVNTTLYEKFTYAGIDCSAEEAA

Product Description

Expression Systems

Insect

Form

Powder

Endotoxin

< 0.1 ng per µg

Purity

>90% by SDS-PAGE and visualised by silver stain

Buffer

PBS without stabilizers

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

TEK

Full Name

TEK receptor tyrosine kinase

Introduction

This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

Alternative Names

CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1; angiopoietin-1 receptor; TEK tyrosine kinase, endothelial; endothelial tyrosine kinase; tunica interna endothelial cell kinase; tyrosine kinase with Ig and EGF homology domains-2; tyrosine-protein kinase receptor TEK; tyrosine-protein kinase receptor TIE-2; hTIE2; p140 TEK; CD202b

Gene ID

[7010](#)

UniProt ID

[Q02763](#)