

Recombinant mouse TIE2/TEK protein

Catalog Number: ATGP3190

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-746aa

UniProt No.

Q02858

NCBI Accession No.

NP_001277478

Alternative Names

TEK, TEK receptor tyrosine kinase, VMCM, venous malformations, multiple cutaneous and mucosal, TEK tyrosine kinase, endothelial, TIE2, TIE-2, VMCM1, CD202b, angiopoietin-1 receptor, Hyk, AA517024, STK1, p140 TEK

PRODUCT SPECIFICATION

Molecular Weight

81.6 kDa (730aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

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.

BACKGROUND

Description

TEK, also known as angiopoietin-1 receptor isoform 2, is cell-surface receptor for ANGPT1, ANGPT2 and ANGPT4. It regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion and cell spreading, reorganization of the actin cytoskeleton. This protein effects by preventing the leakage of proinflammatory

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plasma proteins and leukocytes from blood vessels. Recombinant mouse TEK, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

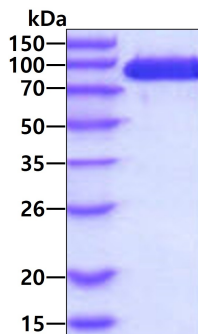
AMDLILINSL PLVSDAETSL TCIASGWHPH EPITIGRDFE ALMNQHQDPL EVTQDVTREW AKKVVWKREK ASKINGAYFC
EGRVVRGQAIR IRTMKMRQQA SFLPATLTMT VDRGDVNVIS FKKVLIKEED AVIYKNGSFI HSVPRHEVPD ILEVHLPAAQ
PQDAGVYSAR YIGGNLFTSA FTRLIVRRCE AQKWGPDCSR PCTTCKNNGV CHEDTGECIC PPGFMGRTCE KACEPHTFGR
TCKERCSPGE GCKSYVFCLP DPYGCSCATG WRGLQCNEAC PSGYYGPDCK LRCHCTNEEI CDRFQGCLCS QGWQGLQCEK
EGRPRMTPQI EDLPDHIEVN SGKFNPKCA SGWPLPTSEE MTLVKPDGTV LQPNDFNFTD RFSVAIFTVN RVLPPDSGVW
VCSVNTVAGM VEKPFNISK VLPEPLHAPN VIDTGHNFAT INISSEPYFG DGPIKSKKLF YKPVNQAWKY IEVTNEIFTL
NYLEPRTDYE LCVQLARPGE GGEGHPGPVR RFTTASIGLP PPRGLSLLPK SQTALNLTWQ PIFTNSEDEF YVEVERRSLQ
TTSDQQNIKV PGNLTSVLLS NLVPREQYTV RARVNTKAQG EWSEELRAWT LSDILPPQPE NIKISNITDS TAMVSWTIVD
GYSISSIIR YKVQGNEDQ HIDVKIKNAT VTQYQLKGLE PETTYHVDIF AENNIGSSNP AFSHELRTLP HSPASADLGG
GKML<HHHHHH>

General References

Horita K et al., (1992) *Biochem. Biophys. Res. Commun.* 189(3):1747-1753.
Dumont DJ et al., (1992) *Oncogene* 7(8):1471-1480.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.