

Product information

Angiopoietin-1 receptor, 23-746aa

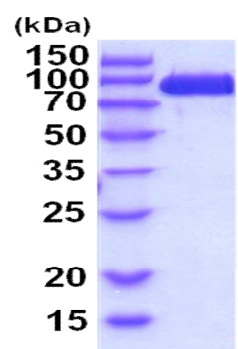
Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3190

NCBI Accession No.: NP_001277478

Synonyms: Tek, Hyk, Tie-2, Tie2, CD202b, AA517024, STK1

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 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.

<p>Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p>Molecular Weight: 81.6kDa (730aa) 70-100kDa (SDS-PAGE under reducing conditions.)</p> <p>Purity: > 95% by SDS – PAGE.</p> <p>Concentration: 0.5mg/ml (determined by Absorbance at 280nm)</p> <p>Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>15% SDS-PAGE (3µg)</p>
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Sequences of amino acids:

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AMDILILINSL PLVSDAETSL TCIASGWHPH EPITIGRDFE ALMNQHQDPL EVTQDVTREW AKKVVMKREK ASKINGAYFC EGRVGRQAIR
IRTMKMRQQA SFLPATLTMT VDRGDNVNIS FKKVLIKEED AVIYKNGSFI HSVPRHEVPD ILEVHLPHAQ PQDAGVYSAR YIGGNLFTSA
FTRLIVRCE AQKWGPDCSR PCTTCKNNGV CHEDTGECIC PPGFMGRTCE KACEPHTFGR TCKERCSGPE GCKSYVFCLP DPYGCSCATG
WRGLQCNEAC PSGYYGPDCK LRCHCTNEEI CDRFQGCLCS QGWQGLQCEK EGRPRMTPQI EDLPDHIEVN SGKFNPICKA SGWPLPTSEE
MTLVKPDGTV LQPNDNFYTD RFSVAIFTVN RVLPPDSGVW VCSVNTVAGM VEKPFNIVK VLPEPLHAPN VIDTGHNFAI INISSEPYFG
DGPISKSKLF YKPVNQAWKY IEVTNEIFTL NYLEPRTDYE LCVQLARPGE GGEGHPGPVR RFTTASIGLP PPRGLSLLPK SQTALNLTWQ
PIFTNSEDEF YVEVERRSLQ TTSDQQNIKV PGNLTSVLLS NLVPREQYTV RARVNTKAQG EWSEELRAWT LSDILPPQPE NIKISNITDS
TAMVSWTIVD GYSISSIIR YKVQGKNEQ HIDVKIKNAT VTQYQLKGLE PETTYHVDIF AENNISSNP AFSHELRTLP HSPASADLGG
GKMLHHHHHH
  
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For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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Product information

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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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