

TIE-2 Recombinant Protein | TEK recombinant protein

Recombinant Human TIE-2 Protein (hFc Tag), HPLC-verified

CATALOG # AAA259320	HOST HEK293 Cells	REACTIVITY Human
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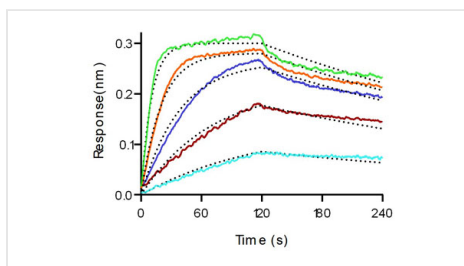
PRODUCT SYNONYMS

TIE-2; Recombinant Human TIE-2 Protein (hFc Tag); HPLC-verified; Human TIE-2 Protein (Fc Tag); TEK tyrosine kinase; endothelial; CD202B Protein; Human; GLC3E Protein; TIE-2 Protein; TIE2 Protein; VMCM Protein; VMCM1 Protein; TEK recombinant protein

PRODUCT SPECIFICATIONS

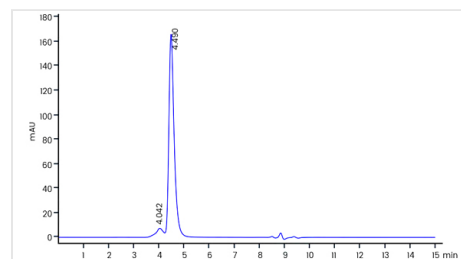
Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 90% as determined by SDS-PAGE. >= 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Met1-Lys74 5
Tag	C-human IgG1-Fc
Predicted N Terminal	Ala 23
Endotoxin	< 1.0 EU perug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human TEK (AAA61139.1)(Met1-Lys745) was expressed with the fused Fc region of human IgG1 at the C-terminus.
Activity	Loaded Recombinant Human TIE-2 Protein, hFc Tag on PROA Biosensor, can bind Recombinant Human Angiopoietin-2/ANGPT2 Protein, His Tag with an affinity constant of 6.6nM as determined in BLI assay (Sartorius Octet RED384)(QC tested).
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES

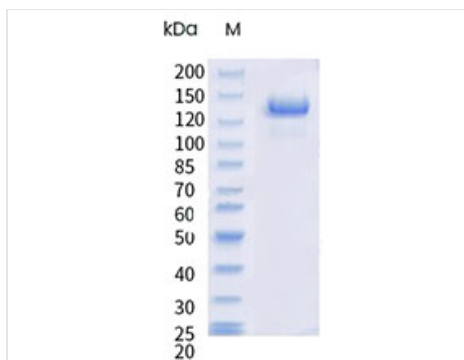


Application Data

Loaded Recombinant Human TIE-2 Protein, hFc Tag (QC tested).



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for TEK recombinant protein	TEK, or TIE-2, is an endothelial cell-specific receptor tyrosine kinase (RTK) that is known as a functioning molecule of vascular endothelial cells. TEK comprises a subfamily of RTK with TIE, and these two receptors play critical roles in vascular maturation, maintenance of integrity and remodeling. Targeted mutagenesis of both Tek and its agonistic ligand, Angiopoietin-1, result in embryonic lethality, demonstrating that the signal transduction pathways mediated by this receptor are crucial for normal embryonic development. TEK signaling is indispensable for the development of the embryonic vasculature and suggests that TEK signaling may also be required for the development of the tumor vasculature.
Product Categories/Family for TEK recombinant protein	Receptor Tyrosine Kinases (RTKs) Cancer Drug Targets Hemangioblast Markers
References	Jone. N. e. al. (1998). Th. Tek/Tie. recepto. signal. throug. . nove. Dok-relate. dockin. protein. Dok-R. Oncogene. 17(9). 1097-108. Sat. A. e. al. (1998). Characterizatio. o. TE. recepto. tyrosin. kinas. an. it. ligands. Angiopoietins. i. huma. hematopoieti. progenito. cells. In. Immunol. 10(8). 1217-27. Huan. L. e. al. (1995). GRB. an. SH-PTP2. potentiall. importan. endothelia. signalin. molecule. downstrea. o. th. TEK/TIE. recepto. tyrosin. kinase. Oncogene. 11(10). 2097-103.

NCBI AND UNIPROT INFORMATION

Molecular Weight	The recombinant Human TEK consists of 961 amino acids and predicts a molecular mass of 107.37 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 132.5 kDa protein in SDS-PAGE under reducing conditions.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tie-2-recombinant-protein-hek293-cells/259320>