

Human CellExp™ Tie2 Protein, Human Recombinant

12/20

CATALOG NO:	P1643-20 20 µg P1643-50 50 µg
ALTERNATE NAMES:	VMCM;TEK; Recombinant Human Tie2; hTIE2; p140 TEK; VMCM1; TIE-2; CD202b; Tie2
MOL. WT.	130-140 kDa
ACCESSION NO:	NP_000450.2; Q02763
PURITY:	≥ 97% by SDS-PAGE
SOURCE:	HEK 293 cells
ENDOTOXIN:	< 1 EU/µg of the protein as determined by LAL method.
TAG:	His-Tag
AMINO ACID SEQUENCE	The target protein is expressed with sequence (Ala23-Lys745) of human Tie2/CD202b/TEK.
FORM:	Solid
FORMULATION:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
STORAGE CONDITIONS:	Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	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. Tie1 and Tie2 are expressed primarily on endothelial and hematopoietic progenitor cells and play critical roles in angiogenesis, vasculogenesis, and hematopoiesis. Tie2 may play a role in a range of diseases with a vascular component, including neovascularization of tumors, psoriasis and inflammation. Mutations in the Tie2 gene are associated with dominantly inherited venous malformations (VMCM). Tie2 is required for normal angiogenesis and heart development during embryogenesis, and for post-natal hematopoiesis. Tie2 may activate or inhibit angiogenesis, depending on the context. Tie2 may have anti-inflammatory effects by preventing the leakage of proinflammatory plasma proteins and leukocytes from blood vessels.

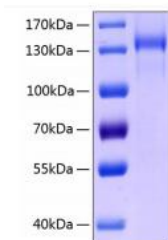


Fig A. Recombinant Human Tie2/CD202b/TEK Protein was loaded on SDS-PAGE and visualized by Coomassie Blue under denaturing conditions, showing a band at 130-140 kDa.

RELATED PRODUCTS:

ANG-2, Human Recombinant (Cat No: 7116)
 Altiratinib (Cat No: 9563)
 Tie2 Kinase Inhibitor (Cat No: B1338)
 AMG-Tie2 (Cat No: B1612)
 SU 11274 (Cat No: 1938)

FOR RESEARCH USE ONLY! Not to be used on humans.