RP00373

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Recombinant Human TIE2/TEK/CD202b Protein

Catalog No.: RP00373 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	7010	Q02763

Tags
C-His

Synonyms
Tie-2; Angiopoietin-1 receptor; TEK; VMCM; VMCM1; CD202b

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE ; > 95% by HPLC

Endotoxin
< 1 EU/μg of the protein by LAL method

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Angiopoietin-1 (Ang-1) is the primary agonist for Tie2 tyrosine kinase receptor (Tie2), and the effect of Ang-1-Tie2 signalling is context-dependent. Deficiency in either Ang-1 or Tie2 protein leads to severe microvascular defects and subsequent embryonic lethality in murine model. Tie2 receptors are expressed in several cell types, including endothelial cells, smooth muscle cells, fibroblasts, epithelial cells, monocytes, neutrophils, eosinophils and glial cells.

Basic Information

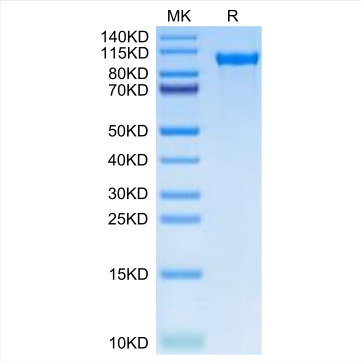
Description
Recombinant Human TIE2/TEK/CD202b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala23-Leu748) of Human TIE2/TEK/CD202b (Accession #Q02763) fused with a C-His tag at the C-terminus.

Bio-Activity

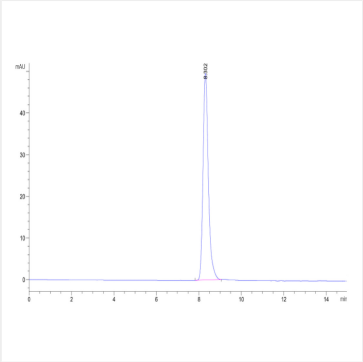
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

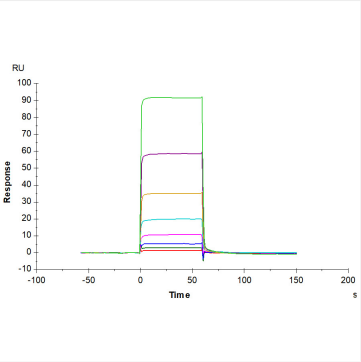
Validation Data



Recombinant Human TIE2/TEK/CD202b Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human TIE2 is greater than 95% as determined by SEC-HPLC.



Human TIE2, His Tag immobilized on CM5 Chip can bind Human ANGPT2, His Tag with an affinity constant of 2.38 μM as determined in SPR assay (Biacore T200).

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