Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
Toll-free: 400 627 9288
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Cynomolgus TIE2 Protein; His Tag

Product Information

Product Name	Cynomolgus TIE2 Protein; His Tag
Storage temp	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	**GM-88642RP-100 / 100 μg** **GM-88642RP-1000 / 1 mg**

Protein Information

Alternative Names	Tie-2,TEK,VMCM, VMCM1,CD202b,Angiopoietin-1 receptor
Source	Cynomolgus TIE2 Protein; His Tag (GM-88642RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 23 - Lys 745 (Accession # A0A2K5VRI3-1). This protein carries a His tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	81.4 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	TIE2 protein, full name Tyrosine Kinase with Immunoglobulin-like and Epidermal Growth Factor-like domains 2, is an important cell membrane receptor protein and a member of the angiopoietin receptor family. TIE2 protein plays a crucial role in regulating angiogenesis, vascular stability, and inflammatory responses in normal cells. Abnormal expression or activation of TIE2 protein is closely associated with the occurrence and development of various malignant tumors, inflammatory diseases, and vascular disorders. In tumor cells and the tumor microenvironment, aberrant activation of TIE2 has been linked to enhanced tumor angiogenesis, immune suppression, and metastatic potential, thereby promoting tumor growth and spread. Currently, several TIE2-targeting strategies are under clinical investigation, including the use of small molecule tyrosine kinase inhibitors such as rebastinib, as well as antibodies targeting the TIE2 ligand angiopoietin-2, such as trebananib. These agents can inhibit tumor angiogenesis and suppress tumor progression by blocking TIE2 signaling pathway activation, thereby improving patient outcomes. In summary, TIE2 protein plays a critical role in the development of tumors and vascular diseases, and is of great significance for understanding the pathogenesis of these conditions, selecting targeted treatment strategies, and evaluating patient prognosis.

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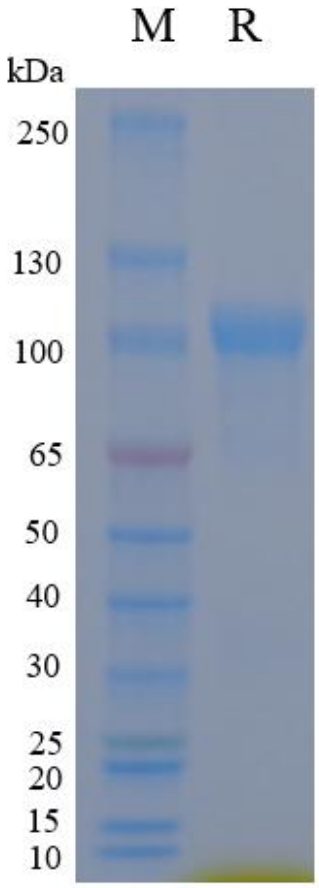
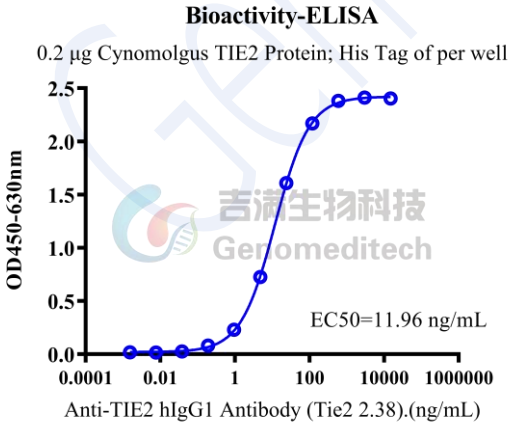
SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Cynomolgus TIE2 Protein; His Tag (Catalog # GM-88642RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-TIE2 hIgG1 Antibody (Tie2 2.38) (Catalog # GM-51860AB) were added.

Version:4.0