

Recombinant Human Tie2/CD202b Protein (His & GST Tag)

Catalog No. PKSH031471

Note: Centrifuge before opening to ensure complete recovery of vial contents.

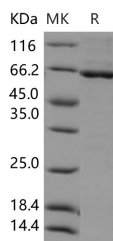
Description

Synonyms	CD202B;TIE-2;TIE2;VMCM;VMCM1
Species	Human
Expression Host	Baculovirus-Insect Cells
Sequence	Gln771-Ala1124
Accession	NP_000450
Calculated Molecular Weight	68.3 kDa
Observed molecular weight	64 kDa
Tag	N-His-GST
Bioactivity	1. No Kinase Activity. 2. Immobilized human TEK (aa 771-1124) at 2 µg/ml (100 µl/well) can bind human Ang2-Fc with a linear range of 0.31-20 µg/ml.

Properties

Purity	> 92 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerol Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

For Research Use Only

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.