

Recombinant Mouse Tie2/CD202b Protein (aa 770-1122, His & GST Tag)

Catalog No. PKSM040369

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

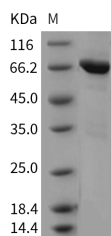
Description

| | |
|------------------------------------|---|
| Synonyms | AA517024;Cd202b;Hyk;STK1;Tie-2;Tie2 |
| Species | Mouse |
| Expression Host | Baculovirus-Insect Cells |
| Sequence | Gln770-Ala1122 |
| Accession | Q02858 |
| Calculated Molecular Weight | 68.2 kDa |
| Observed molecular weight | 68 kDa |
| Tag | N-His-GST |
| Bioactivity | 1. No Kinase Activity. 2. Immobilized mouse TEK (aa 770-1122) at 2 µg/ml (100 µl/well) can bind human Ang2-Fc with a linear range of 0.25-2.0 µg/ml. |

Properties

| | |
|-----------------------|--|
| Purity | > 91 % 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



> 91 % as determined by reducing SDS-PAGE.

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.