

Recombinant Human TIE2 (N-GST tag)

Cat No:HR2R2009

For research use only

Overview

Quantity	10 ?g
Gene Symbol	TIE 2
Gene ID	N/A
Accession	NM_000459
Alternative Name	TEK, VMCM, VMCM1, CD202B
Species	Human
Source	Insect cells
Description	TIE 2 or TEK is a receptor tyrosine kinase that is expressed principally on vascular endothelium. Disrupting TIE 2 function in mice results in embryonic lethality with defects in embryonic vasculature, suggesting a role in blood vessel maturation and maintenance. Angiopoietin-1 is a secreted growth factor that binds to and activates the TIE 2 receptor tyrosine kinase . SHP2 and GRB2 are recruited to the activated TIE 2 kinase domain and are part of the cellular responses that mediate TIE 2 function. TIE 2 expression is upregulated in the endothelium of vascular "hot spots" in human breast cancer specimens. However, TIE 2 is also overexpressed in areas of active angiogenesis in normal tissues .
Functions	The specific activity of TIE 2 was determined to be 12 nmol /min/mg as per activity assay protocol
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	61
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.