

Recombinant Human KDR (N-GST tag)

Cat No:HR2R1652

For research use only

Overview

Quantity	10 ?g
Gene Symbol	KDR
Gene ID	N/A
Accession	NM_002253
Alternative Name	FLK1; VEGFR; VEGFR2
Species	Human
Source	Insect cells
Description	<p>?KDR (or kinase insert domain receptor) is a growth factor receptor tyrosine kinase that was originally isolated from human endothelial cells where it plays a pivotal role in endothelial cell proliferation and differentiation. KDR and its mouse homolog Flk1 bind VEGF with high affinity and are implicated in the development of new blood vessels (angiogenesis) . The expression levels of VEGF and KDR are highly correlated during the normal development of the ocular vasculature in humans . Induction of angiogenesis is a critical step in tumor progression, and inhibitors of KDR have been demonstrated both to induce tumor regression and reduce metastatic potential in preclinical models .</p>
Functions	The specific activity of KDR was determined to be 70 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	110
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.