Recombinant Human KDR Protein (Fc Tag)

RPES8258

Product Information

Product SKU:	RPES8258	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-Fc	**Reactivity**:	Human	**Accession**:	P35968

Additional Information

Calculated MW:	106.8 kDa	**Observed MW:**	100-120 kDa
Sequence:	Ala20-Glu764		

Protein Information

Background: Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

Synonyms: CD309, CD309 antigen, EC 2.7.10.1, Fetal liver kinase 1, FLK-1, FLK1, FLK1, mouse, homolog of, Kdr, Kinase insert domain receptor (a type III receptor tyrosine kinase), Kinase insert domain receptor, KRD1, Ly73, Protein tyrosine kinase receptor FLK1, Protein-tyrosine kinase receptor flk-1, soluble VEGFR2, Tyrosine kinase growth factor receptor, Vascular endothelial growth factor receptor 2, VEGFR 2, VEGFR, VEGFR-2, VEGFR2, VGFR2

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Contact Details | Dublin, Ireland
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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.

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