Recombinant Human Tie-2 Protein (His Tag)

RPES8333

Product Information

Product SKU:	RPES8333	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-His	**Reactivity**:	Human	**Accession**:	Q02763

Additional Information

Calculated MW:	104.7 kDa	**Observed MW:**	105 kDa
Sequence:	Ala23-Leu748		

Protein Information

Background: 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.

Synonyms: TIE, TEK, CD202B, GLC3E, TIE-2, TIE2, VMCM, VMCM1, Tie2 (Tek), Angiopoietin 1 receptor, Angiopoietin-1 receptor, CD202b antigen, endothelial, Endothelial tyrosine kinase, Endothelium specific receptor tyrosine kinase 2, hTIE 2, hTIE2, Hyk, p140 TEK, Soluble TIE2 variant 1, Soluble TIE2 variant 2, tek tyrosine kinase, TEK tyrosine kinase endothelial, TIE 2, Tunica interna endothelial cell kinase, Tyrosine kinase with Ig and EGF homology domains 2, Tyrosine kinase with Ig and EGF homology domains-2, Tyrosine protein kinase receptor TEK, Tyrosine protein kinase receptor TIE 2, Tyrosine-protein kinase receptor TEK, Tyrosine-protein kinase receptor TIE-2, Venous malformations multiple cutaneous and mucosal, VMCM 1

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

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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
Storage:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

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