For Research Use Only Recombinant Human VEGFR1/FLT-1 protein (His Tag)



Catalog Number: Eg0438

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ μ g protein, LAL n	nethod	
	Source: HEK293-derived Human VEGFR1 protein Ser27-Asn756 (Accession#P17948-1) with a His tag at the C-terminus.		
	GenelD: 2321		
	Accession: P17948-1		
	Predicted Molecular Mass 86 kDa		
	SDS-PAGE: 100-140 kDa, reducing (R	conditions	
	Formulation: Lyophilized from 0.22 μr protectants before lyoph		5% trehalose and 5% mannitol are added as
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that th	ne protein be aliquoted for optimal storag	e. Avoid repeated freeze-thaw cycles.
	 Until expiry date 3 months, -20°C 	, -20 $^\circ\!{\rm C}$ to -80 $^\circ\!{\rm C}$ as lyophilized proteins. to -80 $^\circ\!{\rm C}$ under sterile conditions after rec	onstitution.
	Shipping: The product is shipped at temperature.	ambient temperature. Upon receipt, stor	e it immediately at the recommended
Reconstitution	Briefly centrifuge the tub	e before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	VEGFR family. VEGF is a ke pathological angiogenesi The biological effects of 1 immunoglobulin-like rep kinase domain. VEGFR-1 b embryonic vasculature, th chemotaxis, and cancer cc cell membrane-spanning sVEGFR-1 have been foun	with factor receptor-1 (VEGFR-1, FLT-1) is a y regulator of physiological angiogenesis s associated with tumors, intraocular neo VEGF are mediated by VEGFR-1 and VEGFR- eats in the extracellular domain, a single t inds VEGFA, PIGF and VEGFB, and plays an e e regulation of angiogenesis, cell surviva ell invasion. Soluble VEGF receptor-1 (sVEC VEGFR-1, has the potential to act as a deco d in women with preeclampsia. Excess pla hypertension, and proteinuria in preeclam	2. Both the two receptors have seven ransmembrane region and a tyrosine ssential role in the development of l, cell migration, macrophage function, JFR-1, sFIt-1), a truncated version of the by receptor for VEGFA. Elevated serum icental SVEGFR-1 may contribute to
References	1. Kendall, R L et al. (1996) Biochem Biophys Res Commun.226(2):324-328. 2. Koga, Kaori et al. (2003) J Clin Endocrinol Metab. 88(5):2348-2351. 3. Shibuya, Masaubmi. (2006) Angiogenesis.9(4):225-231. 4. Wu, Florence T H et al. (2010) J Cell Mol Med.14(3):528-552.		
Synonyms	FLT1, EC:2.7.10.1, FLT, FLT 1	I, FLT-1	

Selected Validation Data



Purity of Recombinant Human VEGFR1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.