For Research Use Only Recombinant Human Neuropilin-1 protein (rFc Tag)



Catalog Number: Eg2331

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag	
Technical Specifications	Purity: >90 %, SDS-PAGE			
	<mark>Endotoxin Level:</mark> <0.1 EU/ μ g protein, LAL method			
	Source: HEK293-derived Human Neuropilin-1 protein Phe22-Lys644 (Accession# 014786-2) with a rabbit IgG Fc tag at the C-terminus.			
	GenelD: 8829			
	Accession: 014786-2			
	Predicted Molecular M 96.2 kDa	Mass:		
	SDS-PAGE: 90-120 kDa, reducing	(R) conditions		
	Formulation: Lyophilized from 0.22 protectants before ly	e μm filtered solution in PBS, pH 7.4. Normally ophilization.	5% trehalose and 5% mannitol are add	ed as
Biological Activity	Not tested			
Storage and Shipping	Storage: It is recommended th	at the protein be aliquoted for optimal storag	e. Avoid repeated freeze-thaw cycles.	
	 Until expiry o 3 months, -2 	late, -20°C to -80°C as lyophilized proteins. 0°C to -80°C under sterile conditions after red	constitution.	
	Shipping: The product is shippe temperature.	d at ambient temperature. Upon receipt, stor	e it immediately at the recommended	
Reconstitution	Briefly centrifuge the	tube before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.	
Background	Neuropilin-1 (NRP1) i: cells, as well as sever. play a role in the stab expressed on Tregs tr immune response. Nf a promoter of angiog tyrosine kinase (RTK) nerve, blood vessel, a angiogenesis.	s a transmembrane glycoprotein expressed b al other normal cell types and malignant tumo ility and function of Tregs. It interacts with the o enhance the function and survival of Tregs in RP1 was also shown to act as a receptor for vas enesis through its interaction with VEGF-A16. VEGF-R2. In summary, NRP1 is a multifunction nd tumor development, with implications in i	y endothelial, dendritic, and regulatory T or cells. NRP1 has been demonstrated to e ligand Semaphorin-4a (Sema4a) n tumors, restricting the anti-tumor scular endothelial growth factor (VEGF) ai 5 (and other VEGFs) and the receptor al receptor protein that is involved in mmune regulation, tumor growth, and	nd
References	1. Gotot J. et al. (2018) 2. Yang ZG. et al. (2019) 3. Liu SD. et al. (2020). 4. Chaudhary B. et al. (). Immunol Cell Biol. 96(8):852-862. 9). Anat Rec (Hoboken). 302(7):1127-1135. Chin Med J (Engl). 134(5):508-517. 2014). Cancer Immunol Immunother. 63(2):81	-99.	

Synonyms

neuropilin 1, NRP1, BDCA4, CD304

Selected Validation Data



Purity of Recombinant Human Neuropilin-1 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.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.