For Research Use Only Recombinant Rat Osteopontin protein (rFc Tag)



Catalog Number: Eg3247

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE		
	Endotoxin Level: <1.0 EU/ µg protein, LAL	method	
	Source: HEK293-derived Rat Osteopontin protein Leu17-Asn317 (Accession# P087211) with a rabbit IgG Fc tag at the C- terminus.		
	GenelD: 25353		
	Accession: P08721		
	Predicted Molecular Ma 59.5 kDa	55:	
	SDS-PAGE:		
	Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Shipping Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycle		
	 Until expiry date, -20°C to -80°C as lyophilized proteins. 3 months, -20°C to -80°C under sterile conditions after reconstitution. 		
	Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tu	be before opening. Reconstitute at 0.1-0.5 n	ng/mL in sterile water.
Background	OPN is a multifunctional physiological condition: suggested to play a key Under pathological cond	called secreted phosphoprotein 1 (SPP1), is on the different post-translational modification phosphorylated protein involved in physiolo s, circulating and tissue OPN expression leve role in regulating biomineralization, wound f ditions, OPN is often significantly upregulate toimmune, degenerative, fibrosis, and onco rosis, and cancers.	ogical and pathological events. Under Is are relatively low, and OPN is realing, and developmental processes. d and exerts pleiotropic effects in
References	3.Yim A. et al. (2022) Imn	И. (2021) Biomolecules. 11(7):1047. nunol Rev. 311(1):224-233. Immunol. 35(4):171-180.	
Synonyms	2b7, Bone sialoprotein 1	, Secreted phosphoprotein 1, Spp1, SPP-1	

Selected Validation Data