For Research Use Only Recombinant Human CD28 protein (hFc Tag)

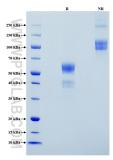


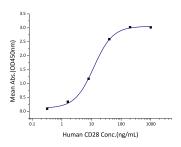
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Catalog Number: Eg0969

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
	EC50: 6-24 ng/mL		
Technical Specifications	Purity: >90 %, SDS-PAGE		
	<mark>Endotoxin Level:</mark> <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human CD28 protein Asn19-Pro152 (Accession#P10747-1) with a human lgG1 Fc tag at the C- terminus.		
	GenelD: 940		
	Accession: P10747-1		
	Predicted Molecular Mass: 41.1 kDa		
	SDS-PAGE: 52-65 kDa, reducing (R) condition	IS	
	Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Immobilized Human CD80 (Myc tag, His tag) at 2 μ g/mL (100 μ L/well) can bind Human CD28 (hFc tag) with a linear range of 6-24 ng/mL.		
Storage and Shipping	Storage: It is recommended that the prote	in be aliquoted for optimal stora	ge. Avoid repeated freeze-thaw cycles.
	 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 ambien temperature.	t temperature. Upon receipt, sto	re it immediately at the recommended
Reconstitution	Briefly centrifuge the tube befor	e opening. Reconstitute at 0.1-0.	5 mg/mL in sterile water.
Background	Cluster of Differentiation 28 (CD: the surface of 80% of human T co homodimer disulfide-linked pep signals play a key role in many T c survival, and differentiation. CD2 initiating antigen-specific T cell r and differentiation.	28, also known as Tp44) is one of t ells. CD28 is a highly glycosylated tides, which shares homology wit ell processes including cytoskele 8 interactions with the B7 family responses, upregulating cytokine	he proteins constitutively expressed on membrane protein, formed by two h the immunoglobulin superfamily. CD28 tal remodeling, production of cytokines, of costimulatory ligands are essential for expression and promoting T cell expansion
References	1.Hansen JA. et al. (1980). Immun 2.Aruffo A. et al. (1987). Proc Natl 3.Jonathan H Esensten. et al. (201 4.D J Lenschow. et al. (1996). Annu	Ačad Sci U S A. 84(23): 8573-8577. 6). Immunity. 44(5):973-988.	
Synonyms	CD28, CD28 molecule, T-cell-spe	cific surface glycoprotein CD28, T	p44

Selected Validation Data





Purity of Recombinant Human CD28 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.

Immobilized Human CD80 (Myc tag, His tag) at 2 μ g/mL (100 $\,\mu$ L/well) can bind Human CD28 (hFc tag) with a linear range of 6-24 ng/mL

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