Recombinant Human ICOS/AILIM Protein (Fc Tag)

Catalog Number: PKSH033644

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description			
Species		Human	
Source		HEK293 Cells-derived Human ICOS; AILIM protein Glu21-Phe141, with an C-terminal	
		Fc	
Calculated MW		40.9 kDa	
Observed MW		47 kDa	
Accession		Q9Y6W8	
Bio-activity		Not validated for activity	
Properties			
Purity		> 95 % as determined by reducing SDS-PAGE.	
Endotoxin		< 1.0 EU per µg of the protein as determined by the LAL method.	
Storage		Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80	
		°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of	
		reconstituted samples are stable at $<$ -20°C for 3 months.	
Shipping		This product is provided as lyophilized powder which is shipped with ice packs.	
Formulation		Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.	
		Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants	
		before lyophilization.	
		Please refer to the specific buffer information in the printed manual.	
Reconstitution		Please refer to the printed manual for detailed information.	
Data			
	kDa MK	R	

kDa	MK	R
120 90 60 40		-
30	-	
20	-	
14	-	

> 95 % as determined by reducing SDS-PAGE.

Background

Inducible T-cell costimulator, also known as activation-inducible lymphocyte immunomediatory molecule, CD278, AILI M, CVID1 and ICOS, belongs to the CD28 and CTLA4 cell surface receptor family.. ICOS contains one Ig-like V-type domain and exsits as a homodimer with disulfide-linked. ICOS is highly expressed on tonsillar T-cellsand can be induced by PMA and ionomycin, ICOS plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. Defects in ICOS are the cause of immunodeficiency common variable type 1, which is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antige

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