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Datasheet for ABIN7320760 CD40 Protein (CD40) (His tag)

Image



Overview

Quantity:	50 µg
Target:	CD40
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD40 protein is labelled with His tag.

Product Details

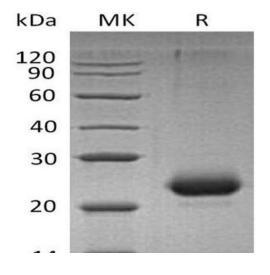
Purpose:	Recombinant Mouse CD40/TNFRSF5 Protein (His Tag)(Active)
Sequence:	Leu20-Arg193
Characteristics:	Recombinant Mouse CD40 is produced by our Mammalian expression system and the target gene encoding Leu20-Arg193 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Biological Activity Comment:	Immobilized Human CD40L(Cat: PKSH033725) at 5µg/ml(100 µl/well) can bind Mouse CD40-6His.

Target Details Target: CD40

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Target Details	
Alternative Name:	CD40/TNFRSF5 (CD40 Products)
Background:	Background: CD40 is a Type I Transmembrane Glycoprotein that belongs to the TNF Receptor
	Superfamily. CD40 is expressed in B cells, follicular dendritic cells, dendritic cells, activated
	monocytes, macrophages, endothelial cells, vascular smooth muscle cells, and several tumor
	cell lines. The extracellular domain of CD40 is characterized by Cysteine rich repeat regions.
	Interaction of CD40 with its ligand (CD40L) leads to aggregation of CD40 Molecules, which in
	turn interact with cytoplasmic components to initiate signaling pathways. Several different
	TRAF proteins (adaptor proteins) have been identified to serves as mediators of the signal
	transduction. CD40 plays an essential role in mediating a broad variety of immune and
	inflammatory responses including T cell-dependent immunoglobulin class switching, memory B
	cell development, and germinal center formation.
	Synonym: Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40,
	Bp50, CD40L receptor, CD40, TNFRSF5,I326936,HIGM1, IGM, IMD3, p50, T-BAM, Tnfrsf5, TRAP
Molecular Weight:	20.2 kDa
UniProt:	P27512
Pathways:	NF-kappaB Signaling, Cellular Response to Molecule of Bacterial Origin, M Phase, Regulation of
	Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of
	Molecular Mediator of Immune Response, Cancer Immune Checkpoints
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.

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Western Blotting

Image 1.

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