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Human CD40/TNFRSF5 protein, His tag (Animal-Free)

Cat #: PRP2035 Size: 10 μg/50 μg/100 μg/1 mg

Product Information

	Product Name: Human CD40/TNFRSF5 protein, His tag (Animal-Free)		
REF	**Catalog Number:** PRP2035	LOT	**Lot Number:** Refer to product label
	Purity:>95% as determined by SDS-PAGE		
	Storage: Store at -20°C		**Preparation method:** HEK 293 Cells
	Shipping: The product is shipped at ambient temperature.		

Background: CD40 is a 48 kDa type I transmembrane protein that is constitutively expressed on hematopoietic cells such as dendritic cells, macrophages, and B cells. CD40 is a TNF receptor superfamily member expressed on both immune and non-immune cells. Interactions between B cell-expressed CD40 and its binding partner, CD40L, predominantly expressed on activated CD4+ T cells, play a critical role in promoting germinal center formation and the production of class-switched antibodies. The involvement of CD40 in chronic immune activation has resulted in CD40 being proposed as a therapeutic target for a range of chronic inflammatory diseases. CD40 antagonists are currently being explored for the treatment of autoimmune diseases and several anti-CD40 agonist mAbs have entered clinical development for oncological indications.

Sequence: Amino acid sequence derived from human CD40 protein (NP_001241.1, Met1-Arg193) was expressed with a polyhistidine tag at the C-terminus.

Protein length: The recombinant human CD40 protein consists of 179 amino acids and predicts a molecular mass of 20 kD.The apparent molecular mass of the human CD40 is approximately 25-33 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Biological Activity: Testing in progress.

Endotoxin: < 1 EU per μg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized human CD40 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized human CD40 protein in the buffer which we provide not less than 100 μg/mL, which can then be further diluted to other aqueous solutions.

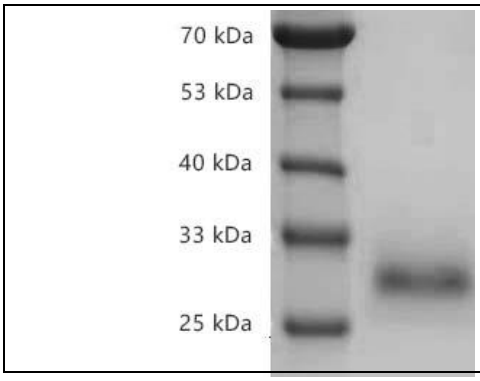

Fig. SDS-PAGE analysis of Human CD40/TNFRSF5 protein, His tag.

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