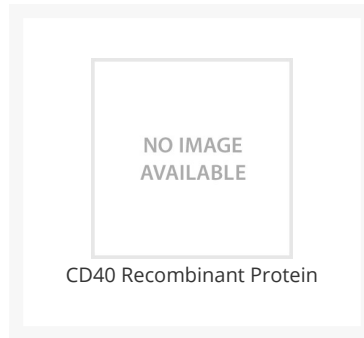




# CD40 Recombinant Protein

Cat. No.: 90-269




## Ψ Specifications

<b>SPECIES:</b>	Human, Mouse
<b>SOURCE SPECIES:</b>	HEK293 cells
<b>SEQUENCE:</b>	The Fc portion of human IgG1 is fused to the C-terminus of human CD40 (aa 21-193).
<b>FUSION TAG:</b>	Fc Tag
<b>TESTED APPLICATIONS:</b>	
<b>APPLICATIONS:</b>	This recombinant proteins is for research use only.

## Ψ Properties

<b>PURITY:</b>	>95% (SDS-PAGE). Endotoxin level is less than 0.01EU/ µg purified protein (LAL test; Lonza).
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Contains PBS. Reconstitute with 50 µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
<b>CONCENTRATION:</b>	1mg/ml after reconstitution.
<b>STORAGE CONDITIONS:</b>	Stable for at least 6 months after receipt when stored at -20 °C.

<b>OFFICIAL SYMBOL:</b>	CD40
<b>ALTERNATE NAMES:</b>	Tumor Necrosis Factor Receptor Superfamily Member 5, TNFRSF5, CD40L Receptor
<b>ACCESSION NO.:</b>	P25942
<b>PROTEIN GI NO.:</b>	4507581
<b>GENE ID:</b>	958

 Background and References

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<b>BACKGROUND:</b>	<p>CD40 belongs to the TNF-receptor superfamily and is essential 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. The interaction of CD40-CD40L is necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. CD40 is constitutively expressed by antigen presenting cells, including dendritic cells, B cells and macrophages. Consistent with its widespread expression on normal cells, CD40 is also expressed on a wide range of tumor cells, including non-Hodgkin's and Hodgkin's lymphomas, myeloma and some carcinomas including nasopharynx, bladder, cervix, kidney and ovary.</p>
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