

## Recombinant Human CD4 protein, His-Avi-tagged

Cat. No. CD4-293H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CD40 is expressed from mammalian with a His and a Avi tag at the C-terminal. It contains Glu21-Arg193.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	It contains Glu21-Arg193.
<b>Description</b>	CD40 is a costimulatory protein found on antigen presenting cells and is required for their activation. The binding of CD154 (CD40L) on TH cells to CD40 activates antigen presenting cells and induces a variety of downstream effects. CD40 molecule is a potential target for cancer immunotherapy. There are number of completed and ongoing clinical trials where agonistic anti-CD40 monoclonal antibodies are employed to activate an anti-tumor T cell response via activation of dendritic cells.
<b>Form</b>	Supplied as 0.22um filtered solution in PBS (pH 7.4).
<b>Molecular Mass</b>	The protein has a predicted MW of 22.1 kDa. Due to glycosylation, the protein migrates to 35-40 KDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1 EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

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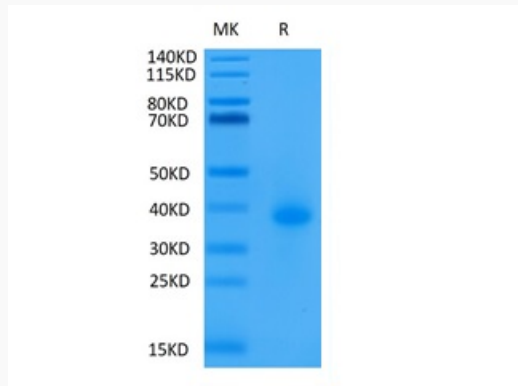
<b>Storage</b>	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CD4 CD4 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD4
<b>Synonyms</b>	CD40; CD40L receptor; TNFRSF5; B cell surface antigen CD40; B-cell surface antigen CD40; Bp50B cell-associated molecule; CD40 antigen; CD40 molecule, TNF receptor superfamily member 5; CD40 type II isoform; CDw40; MGC9013; nerve growth factor receptor-related B-lymphocyte activation molecule; p50; TNFRSF5CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor receptor superfamily member 5; tumor necrosis factor receptor superfamily, member 5
<b>Gene ID</b>	920
<b>mRNA Refseq</b>	NM_000616
<b>Protein Refseq</b>	NP_000607
<b>MIM</b>	186940
<b>UniProt ID</b>	P01730

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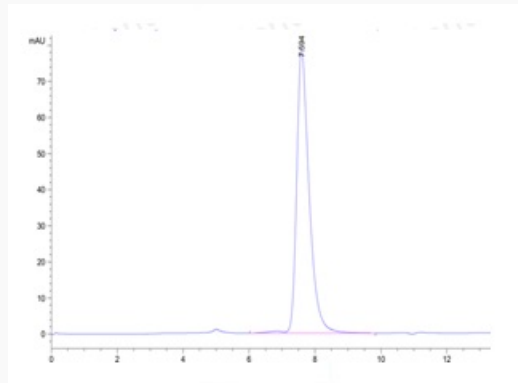
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**Tris-Bis PAGE**



**HPLC data**



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