9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CD40 Human, HEK

CD40 Human Recombinant, HEK
CDA0076

Product Overview

Name	CD40 Human, HEK
Description	
CD40 Human Recombinant, HEK	
Accession (Primary)	P25942
Synonyms	
CD40 Molecule, TNF Receptor Superfamily Member 5, TNFRSF5, Tumor Necrosis Factor Receptor Superfamily, Member 5, Bp50, B-Cell Surface Antigen CD40, CD40L Receptor, CDW40, B Cell Surface Antigen CD40, B Cell-Associated Molecule, CD40 Antigen (TNF Receptor Superfamily Member 5), CD40 Type II Isoform, Nerve Growth Factor Receptor-Related B-Lymphocyte Activation Molecule, p50, Tumor Necrosis Factor Receptor Superfamily Member 5, CDw40, CD40 Antigen	
Introduction	
CD40 belongs to the TNF-receptor super family. CD40 has been found to be vital in mediating a wide range of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is accounted to coordinately regulate the expression of CD40 and its ligand, which is significant for homotypic cell interactions. Adaptor protein TNFR2 interacts with CD40 and functions as a mediator of the signal transduction. The interaction of CD40 and its ligand is found to be essential for amyloid-beta-induced microglial activation, and therefore is considered to be an early event in Alzheimer disease pathogenesis.	
Source	
HEK 293.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CD40 protein solution (1mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	

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Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

EPPTACREKQ YLINSQCCSL CQPGQKLVSD CTEFTETECL PCGESEFLDT WNRETHCHQH KYCDPNLGLR VQQKGTSETD TICTCEEGWH CTSEACESCV LHRSCSPGFG VKQIATGVSD TICEPCPVGF FSNVSSAFEK CHPWTSCETK DLVVQQAGTN KTDVVCGPQD RLR LEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH

Precautions

CD40 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P25942)