

32-13744: CD40 Human, HEK

Format :	CD40 protein solution (1mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
Alternative Name :	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

Description

Source:HEK 293.

Physical Appearance: Sterile filtered colorless solution.

Biological Activity: null

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.

CD40 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain containing 412 amino acids (21-193 a.a.) and having a molecular mass of 46.1kDa. CD40 is expressed with a 239 amino acid hlgG-His-Tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	20 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Storage condition :	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.
Amino Acid :	EPPTACREKQ YLINSQCCSL CQPGQKLVSD CTEFTETECL PCGESEFLDT WNRETHCHQH KYCDPNLGLR VQKQGTSETD TICTCEEGWH CTSEACESCV LHRSCSPGFG VKQIATGVSD TICEPCPVGF FSNVSSAFEK CHPWTSCETK DLVVQQAGTN KTDVVCGPQD RLRLEPKSCD KTHTCP CPA PELLGGPSVF LFPPKPKD TL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQPENNY KTT PVLDS D GSFFLYSKLT VDKSRWQQGN VFSCSV MHEA LHNHYTQKSL SLSPGKHHHH HH