

Recombinant Human CD40 Protein, hlgG/His-tagged

Cat. No. CD40-07H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human CD40, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques. |
| Species | Human |
| Source | HEK293 |
| Description | <p>This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety 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 reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.</p> |
| Form | Liquid |
| Molecular Mass | 46.1 kDa |

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|-----------------------|--|
| AA Sequence | EPPTACREKQYLINSQCCSLCQPQGKLVSDCTEFTETECLPCGESEFLDTWNRETH CHQHKEYCDPNLGLRVQQKGTSETDTICTCEEHWHCTSEACESCVLHRSCSPGFGV KQIATGVSDTICEPCPVGFFSNVSSAFEKCHPWTSCETKDLVVQQAGTNKTDVVCG PQDRLR |
| Endotoxin | < 1 EU/µg of protein (determined by LAL method) |
| Purity | > 95% by SDS-PAGE |
| Applications | SDS-PAGE |
| Storage | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles. |
| Concentration | 1 mg/mL |
| Storage Buffer | In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol |

GENE INFORMATION

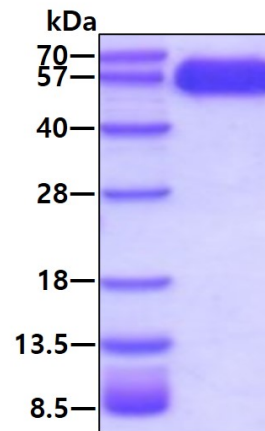
| | |
|------------------------|--|
| Gene Name | CD40 CD40 molecule [Homo sapiens (human)] |
| Official Symbol | CD40 |
| Synonyms | CD40; CD40 molecule; p50; Bp50; CDW40; TNFRSF5; tumor necrosis factor receptor superfamily member 5; B cell surface antigen CD40; B cell-associated molecule; CD40 molecule, TNF receptor superfamily member 5; CD40L receptor |
| Gene ID | 958 |
| mRNA Refseq | NM_001250 |

Protein Refseq NP_001241

MIM 109535

UniProt ID P25942

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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