

Product information



CD40, 21-193aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2615

Full name: CD40 molecule, TNF receptor superfamily member 5

NCBI Accession No.: NP_001241

Synonyms: Bp50, CDW40, p50, TNFRSF5

Description: CD40 is a member of the TNF-receptor superfamily. This receptor has been found to be 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. 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. Recombinant human CD40 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT</p> <p>Molecular Weight: 21.6 kDa (196aa) confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	<p>(kDa) 70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSEPPTACR EKQYLINSQC CSLCQPGQKL VSDCTEFTET ECLPCGESEF LDTWNRETHC HQHKYCDPNL GLRVQKQKGS ETDTICTCEE GWHCTSEACE SCVLHRSCSP GFGVKQIATG VSDTICEPCP VGFFSNVSSA FEKCHPWTS ETKDLVVQQA GTNKTDVVCV PQDRLR</p>	

General references:

Tone M., *et al.* (2001) *Proc. Natl. Acad. Sci. U.S.A.* 98:1751-1756

Khandekar S.S., *et al.* (2001) *Protein Expr. Purif.* 23:301-310

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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