

CD40 recombinant protein

CD40, 21-193aa, Human, His tag, E Coli

CATALOG # AAA48856	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

CD40; 21-193aa; Human; His tag; E Coli; CD40 molecule TNF receptor superfamily member 5; CD40 molecule; TNF receptor superfamily member 5; Bp50; CDW40; p50; TNFRSF5; CD40 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSEPPTACR EKQYLINSQC CSLCQPGQKL VSDCTEFTET ECLPCGESEF LDTWNRETHC HQHKYCDPNL GLRVQKQKTS ETDICTCEE GWHCTSEACE SCVLHRSCSP GFGVKQIATG VSDTICEPCP VGFFSNVSSA FEKCHPWTSC ETKDLVVQQA GTNKTDVVCG PQDRLR
Sequence Length	277
Applicable Applications for CD40 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD40 recombinant protein

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.

Product Categories/Family for CD40 recombinant protein	Stem Cell
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;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507581
NCBI GeneID	958
NCBI Accession #	NP_001241
NCBI GenBank Nucleotide #	NM_001250.5
UniProt Accession #	P25942 ; Q53GN5 ; Q5JY15 ; Q5U007 ; Q7M4Q8 ; Q86YK5 ; Q9BYU0 ; E1P5S9
Molecular Weight	21.6 kDa (196aa) confirmed by MALDI-TOF
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 5 isoform 1
NCBI Official Synonym Full Names	CD40 molecule
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	p50; Bp50; CDW40; TNFRSF5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 5
UniProt Gene Name	CD40
UniProt Synonym Gene Names	TNFRSF5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd40-recombinant-protein-e-coli-sds-page/48856>