Datasheet for ABIN5853618

CD40 Protein (CD40) (AA 21-193) (His tag)

1 Image

Go to Product page

Overview

Quantity:	50 µg
Target:	CD40
Protein Characteristics:	AA 21-193
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD40 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	EPPTACR EKQYLINSQC CSLCQPGQKL VSDCTEFTET ECLPCGESEF LDTWNRETHC HQHKYCDPNL GLRVQQKGTS ETDTICTCEE GWHCTSEACE SCVLHRSCSP GFGVKQIATG VSDTICEPCP VGFFSNVSSA FEKCHPWTSC ETKDLVVQQA GTNKTDVVCG PQDRLR
Purity:	> 90% by SDS-PAGE

Target Details

Target:	CD40
Alternative Name:	CD40/TNFRSF5 (CD40 Products)
Background:	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

Target Details

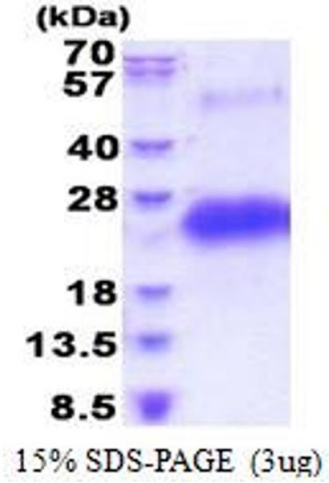
	formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction 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.
Molecular Weight:	21.6 kDa (196aa) confirmed by MALDI-TOF
NCBI Accession:	NP_001241
UniProt:	P25942
Pathways:	NF-kappaB Signaling, Cellular Response to Molecule of Bacterial Origin, M Phase, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.