

Recombinant human CD40/TNFRSF5 protein

Catalog Number: ATGP2615

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-193aa

UniProt No.

P25942

NCBI Accession No.

NP_001241.1

Alternative Names

Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, p50, CD40L receptor, CDw40

PRODUCT SPECIFICATION

Molecular Weight

21.6 kDa (196aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human CD40/TNFRSF5 protein

Catalog Number: ATGP2615

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.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>EPPTACR EKQYLINSQC CSLCQPGQKL VSDCTEFTET ECLPCGESEF
LDTWNRETHC HQHKYCDPNL GLRVQKQKTS ETDITCTCEE GWHCTSEACE SCVLHRSCSP GFGVKQIATG VSDTICEPCP
VGFFSNVSSA FEKCHPWTSC ETKDLVVQQA GTNKTDVVCG PQDRLR

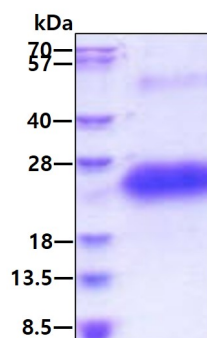
General References

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

DATA

SDS-PAGE



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