Recombinant Human CD40/TNFRSF5 Protein

Catalog No.: RP00328 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	958	P25942

Tags
C-6×His

Synonyms
CD40;Bp50;CDW40;TNFRSF5;p50; Bp50; CDW40; TNFRSF5

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein 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 protein are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of This protein encoding distinct isoforms have been reported.

Basic Information

Description
Recombinant Human CD40/TNFRSF5 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Glu21-Arg193) of human CD40/TNFRSF5 (Accession #P25942) fused with a 6×His tag at the C-terminus.

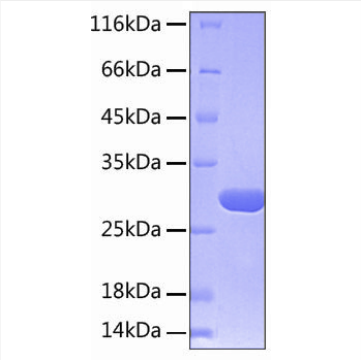
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

www.abclonal.com

Validation Data



Recombinant protein Human CD40/TNFRSF5 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 30 kDa.