

Recombinant Full Length Human CD40 Protein, N-GST-tagged

Cat. No. CD40-13HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD40 Protein, fused to GST-tag at N-terminus, was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1-277 aa
Description	The protein encoded by this gene 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. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	56.1 kDa

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AA Sequence	MVRLPLQCVLWGCLLTAVHPEPPTACREKQYLINSQCCSLCQPGQKLVS DCTEFTE TECLPCGESEFLDTWNRETHCHQH KYCDPNLGLRVQQKGTSETDTICTCEE GWHC TSEACESCVLHRSCSPGFGVKQIATGVSDTICEPCPVGFFSNVSSAFEKCHPWTSC ETKDLVVQQAGTNKTDVVC GPQDRLRALVVIPIIFGILFAILLVLVFIKKVAKKPTNKAP HPKQEPQEINFPDDLPGSNTAAPVQETLHGCQPVTQEDGKESRISVQERQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	CD40 CD40 molecule [Homo sapiens (human)]
Official Symbol	CD40
Synonyms	CD40; CD40 molecule; p50; Bp50; CDW40; TNFRSF5
Gene ID	958
mRNA Refseq	NM_001250.6
Protein Refseq	NP_001241.1
MIM	109535

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UniProt ID

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