

Recombinant Full Length Human CARD8 Protein, GST-tagged

Cat. No. CARD8-2886HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CARD8 full-length ORF (AAH56891.1, 1 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	392 amino acids
Description	The protein encoded by this gene belongs to the caspase recruitment domain (CARD)-containing family of proteins, which are involved in pathways leading to activation of caspases or nuclear factor kappa-B (NFKB). This protein may be a component of the inflammasome, a protein complex that plays a role in the activation of proinflammatory caspases. It is thought that this protein acts as an adaptor molecule that negatively regulates NFKB activation, CASP1-dependent IL1B secretion, and apoptosis. Polymorphisms in this gene may be associated with a susceptibility to rheumatoid arthritis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]
Molecular Mass	70.4 kDa
AA Sequence	MEKKECPEKSSSSEELPRRDSGSSRNIDASKLIRLQGSRKLLVDNSIRELQYTKTGI FFQAEACVTNDTVYRELPCVSETLCDISHFFQEDDETEAEPLLFRAVPECQLSGGDI PSVSEEQESSEGQDSGDICSEENQIVSSYASKVCFEIEEDYKNRQFLGPEGNVDVEL IDKSTNRYSVWFPTAGWYLWSATGLGFLVRDEVTVTIAFGSWSQHLALDLQHHEQ

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WLVGGPLFDVTAEEPAVAEIHLPHSISLQAGEVDVSWFLVAHFKNEGMVLEHPAR
VEPFYAVLESFSLMGILLRIASGTRLSIPITSNTLIYYHPHPEDIKFHLYLVPSDALLT
KAIDDEEDRFHGVRLQTSPMEPLNFGSSYIVSNSANLKVMPKWISL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CARD8 caspase recruitment domain family, member 8 [Homo sapiens]

Official Symbol

CARD8

Synonyms

CARD8; caspase recruitment domain family, member 8; caspase recruitment domain-containing protein 8; CARDINAL; Dakar; KIAA0955; NDPP; TUCAN; apoptotic protein NDPP1; CARD inhibitor of NF-kappaB-activating ligands; tumor up-regulated CARD-containing antagonist of CASP9; tumor up-regulated CARD-containing antagonist of caspase nine; DACAR; DAKAR; NDPP1; FLJ18119; FLJ18121; MGC57162; DKFZp779L0366;

Gene ID

22900

mRNA Refseq

NM_001184900

Protein Refseq

NP_001171829

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MIM	609051
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UniProt ID	Q9Y2G2
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