

Recombinant Full Length Human PYCARD Protein, GST-tagged

Cat. No. PYCARD-415HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PYCARD full-length ORF (AAH13569.2, 1 a.a. - 149 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	149 amino acids
Description	This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	42.13 kDa
AA Sequence	MDALDLTDKL VSFYLETYGA ELTANVLRDM GLQEMAGQLQ AATHQGSGAA PAGIQAPPQS AAKPGLHFID QHRAALIARV TNVEWLLDAL YGKVLTDDEQY QAVRAEPTNP SKMRKLFNFT PAWNWTCKDL LLQALRESQS YLVEDLERS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay, Western Blot, 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	PYCARD PYD and CARD domain containing [Homo sapiens (human)]
Official Symbol	PYCARD
Synonyms	ASC; TMS; TMS1; CARD5; TMS-1
Gene ID	29108
mRNA Refseq	NM_013258
Protein Refseq	NP_037390
MIM	606838
UniProt ID	Q9ULZ3

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