Recombinant Human PYCARD, GST-tagged

Cat. No. PYCARD-29108H **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	Wheat Germ
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	MDALDLTDKLVSFYLETYGAELTANVLRDMGLQEMAGQLQAATHQGSGAAPAGIQA PPQSAAKPGLHFIDQHRAA LIARVTNVEWLLDALYGKVLTDEQYQAVRAEPTNPSK MRKLFNFTPAWNWTCKDLLLQALRESQSYLVEDLERS
Applications	Enzyme-linked Immunoabsorbent Assay, Western Blot, Antibody Production, Protein Array.

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Storage	Store at -80°C. 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
Protein Refseq	AAH13569.2
MIM	606838
Chromosome Location	16p11.2
Pathway	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Influenza A, organism-specific biosystem
Function	Pyrin domain binding; ion channel binding

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