



Recombinant Bovine Apoptosis-associated speck-like protein containing a CARD (PYCARD)

Product Code	CSB-EP810219BO-B
Abbreviation	PYCARD
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8HXK9
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MGCTRDAILD ALENLTADEL KKFKMKLLSV PLREGYGRIP RGTLPLDAV DLTDKLVSY Y LEAYGAELTA LVL RDMGMQE VAEQLQETMS KGPRNVLAEV RDPLQKTAKP GLHFVDQHRA ALIARVTVVD GVL DALYGKV L TEEQYQAVR AERTSSDKMR KLFSFSPAWN MTCKDLLLQA LRDTQPYLVD DLEQS
Source	E.coli
Target Names	PYCARD
Protein Names	Recommended name: Apoptosis-associated speck-like protein containing a CARD Alternative name(s): PYD and CARD domain-containing protein
Expression Region	1-195
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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