

Product datasheet for PH302409

TMS1 (PYCARD) (NM_145183) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PYCARD MS Standard C13 and N15-labeled recombinant protein (NP_660184)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202409
Predicted MW:	15 kDa
Protein Sequence:	>RC202409 protein sequence Red=Cloning site Green=Tags(s) MGRARDAILDALENLTAEELKKFKLQAATHQGSGAAPAGIQAPPQSAAKPLHFIDQHRAALIARVTNVE WLLDALYGKVL TDEQYQAVRAEPTNPSKMRKLF SFTPAWNWTCKDLLLQALRESQSYLVEDLERS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_660184
RefSeq Size:	763
RefSeq ORF:	405
Synonyms:	apoptosis-associated speck-like protein containing a CARD; ASC; ASC, TMS1, CARD5, MGC10332; CARD5; caspase recruitment domain protein 5; MGC10332; PYD and CARD domain containing; target of methylation-induced silencing-1; TMS; TMS-1; TMS1
Locus ID:	29108
UniProt ID:	Q9ULZ3



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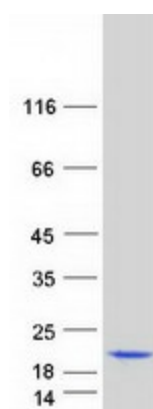
Cytogenetics: 16p11.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Cytosolic DNA-sensing pathway, NOD-like receptor signaling pathway

Product images:



Coomassie blue staining of purified PYCARD protein (Cat# [TP302409]). The protein was produced from HEK293T cells transfected with PYCARD cDNA clone (Cat# [RC202409]) using MegaTran 2.0 (Cat# [TT210002]).