

## Product datasheet for **TP311240L**

### ASC2 (PYDC1) (NM\_152901) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PYD (pyrin domain) containing 1 (PYDC1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211240 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MGTKREAILKVLLENLTPEELKKFKMKLGTVPLREGFERIPRGALGQLDIVDLTDKLVASYEDYAAELVV AVLRDMRMLEEAARLQRAA
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	9.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_690865</a>
Locus ID:	260434
UniProt ID:	<a href="#">Q8WXC3</a>
RefSeq Size:	582
Cytogenetics:	16p11.2



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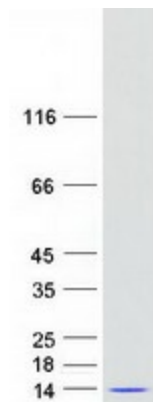
RefSeq ORF: 267

Synonyms: ASC2; cPOP1; POP1; PYC1

Summary: Associates with PYCARD/ASC and modulates its ability to collaborate with MEFV/pyrin and NLRP3/cryopyrin in NF-kappa-B and pro-caspase-1 activation. Suppresses kinase activity of NF-kappa-B inhibitor kinase (IKK) complex, expression of NF-kappa-B inducible genes and inhibits NF-kappa-B activation by cytokines and LPS.[UniProtKB/Swiss-Prot Function]

Protein Pathways: NOD-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified PYDC1 protein (Cat# [TP311240]). The protein was produced from HEK293T cells transfected with PYDC1 cDNA clone (Cat# [RC211240]) using MegaTran 2.0 (Cat# [TT210002]).