

Product datasheet for PH311240

ASC2 (PYDC1) (NM_152901) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | PYDC1 MS Standard C13 and N15-labeled recombinant protein (NP_690865) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC211240 |
| Predicted MW: | 10.1 kDa |
| Protein Sequence: | >RC211240 protein sequence Red=Cloning site Green=Tags(s) MGTKREAILKVLLENLTPEELKKFKMKLGTVPLREGFERIPRGALGQLDIVDLTDKLVASYIEDYAAELVV AVLRDMRMLLEEAAARLQRAA 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_690865 |
| RefSeq Size: | 582 |
| RefSeq ORF: | 267 |
| Synonyms: | ASC2; cPOP1; POP1; PYC1 |
| Locus ID: | 260434 |
| UniProt ID: | Q8WXC3 |
| Cytogenetics: | 16p11.2 |



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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]).