

Product datasheet for TP311537

OriGene Technologies, Inc.

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COP (CARD16) (NM_052889) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human caspase recruitment domain family, member 16 (CARD16),

transcript variant 2, 20 µg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC211537 representing NM_052889

or AA Sequence: Red=Cloning site Green=Tags(s)

MRKAMADKVLKEKRKLFIHSMGEGTINGLLDELLQTRVLNQEEMEKVKRENATVMDKTRALIDSVIPKGA

QACQICITYICEEDSYLAETLGLSAGPIPGN

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 10.6 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: NP 443121

 Locus ID:
 114769

 UniProt ID:
 Q5EG05

RefSeq Size: 758





Cytogenetics: 11q22.3

RefSeq ORF: 303

Synonyms: COP; COP1; PSEUDO-ICE

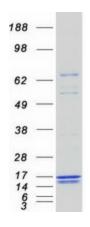
Summary: Caspase inhibitor. Acts as a regulator of procaspase-1/CASP1 activation implicated in the

regulation of the proteolytic maturation of pro-interleukin-1 beta (IL1B) and its release during inflammation. Inhibits the release of IL1B in response to LPS in monocytes. Also induces NF-kappa-B activation during the pro-inflammatory cytokine response. Also able to inhibit CASP1-mediated neuronal cell death, TNF-alpha, hypoxia-, UV-, and staurosporine-mediated cell death but not ER stress-mediated cell death. Acts by preventing activation of caspases CASP1

and CASP4, possibly by preventing the interaction between CASP1 and RIPK2.

[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified CARD16 protein (Cat# TP311537). The protein was produced from HEK293T cells transfected with CARD16 cDNA clone (Cat# [RC211537]) using MegaTran 2.0 (Cat# [TT210002]).