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Product datasheet for TP311537L

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211537 representing NM_052889 Red=Cloning site Green=Tags(s) MRKAMADKVLKEKRKLFIHSMGEGTINGLLDELLQTRVLNQEEMEKVKRENATVMDKTRALIDSVIPKGA QACQICITYICEEDSYLAETLGLSAGPIPGN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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

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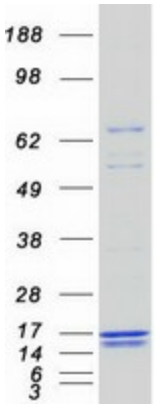
Cytogenetics: 11q22.3

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]).