

Product information

CNPY3, 31-278aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1994

Full name: Canopy 3 homolog

NCBI Accession No.: NP_006577

Synonyms: CAG4A, ERDA5, PRAT4A, TNRC5

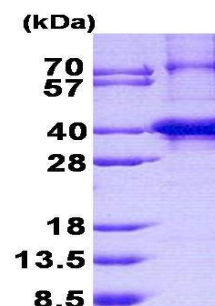
Description: Canopy 3 homolog, also known as CNPY3, is Toll-like receptor (TLR)-specific co-chaperone for HSP90B1. This protein is required for proper TLR folding, except that of TLR3, and hence controls TLR exit from the endoplasmic reticulum. Consequently, CNPY3 is required for both innate and adaptive immune responses. Recombinant human CNPY3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 29.9 kDa (271aa) confirmed by MALDI-TOF
(Molecular size on SDS-PAGE will appear higher)

Purity: > 85% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSGPSQAGA EENDWVRLPS KCEVCKYVAV ELKSAFEETG KTKEVIGTGY GILDQKASGV KYTKSDLRLI
EVTETICKRL LDYSLHKERT GSNRFAGKMS ETFETLHNLV HKGVKVVMDI PYELWNESA EVADLKKQCD VLVEEFEEVI EDWYRNHQEE
DLTEFLCANH VLKGGKDTSCLEQWSGKKGD TAALGGKSKS KKSSRAKAAG GRSSSSKQPK ELGGLEGDPS PEEDEGIQKA SPLTHSPPE
L

General references:

Chen R., *et al.* (2009) *J. Proteome Res.* 8:651-661

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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