

## Recombinant Human CNPY3, His-tagged

Cat. No. CNPY3-7550H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CNPY3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	31-278aa
<b>Antigen Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
<b>Molecular Mass</b>	29.9 kDa (271aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MSGGPSQAGA EENDWVRLPS KCEVCKYVAV ELKSAFEETG KTKEVIGTGY GILDQKASGV KYTKSDLRLI EVTETICKRL LDYSLHKERT GSNRFAKGMS ETFETLHNLV HKGVKVMDI PYELWNETSA EVADLKKQCD VLVEEFEEVI EDWYRNHQEE DLTEFLCANH VLKGGKDTSC AEQWSGKKGD TAALGGKSK KKSSRAKAAG GRSSSSKQRK ELGGLEGDPS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PEEDEGIQKA SPLTHSPPE L

**Purity** >85% as determined by SDS - PAGE

**Applications** SDS-PAGE

**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.

**Concentration** 0.5 mg/ml

## GENE INFORMATION

**Gene Name** [CNPY3 canopy 3 homolog \(zebrafish\) \[ Homo sapiens \]](#)

**Official Symbol** CNPY3

**Synonyms** CNPY3; canopy 3 homolog (zebrafish); TNRC5, trinucleotide repeat containing 5; protein canopy homolog 3; CAG4A; CAG repeat containing; CTG repeat protein 4a; protein associated with TLR4; expanded repeat domain, CAG/CTG 5; trinucleotide repeat containing 5; expanded repeat-domain protein CAG/CTG 5; protein associated with Toll-like receptor 4A; trinucleotide repeat-containing gene 5 protein; ERDA5; TNRC5; PRAT4A;

**Gene ID** [10695](#)

**mRNA Refseq** [NM\\_006586](#)

**Protein Refseq** [NP\\_006577](#)

**MIM** [610774](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>UniProt ID</b>	Q9BT09
<b>Chromosome Location</b>	6pter-p12.1
<b>Pathway</b>	Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Toll Receptor Cascades, organism-specific biosystem; Trafficking and processing of endosomal TLR, organism-specific biosystem;
<b>Function</b>	receptor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA