

Recombinant Human CNPY3, His-tagged

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

SPECIFICATION

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

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	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

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UniProt ID	Q9BT09
Chromosome Location	6pter-p12.1
Pathway	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;
Function	receptor binding;

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