

AR50818PU-S

Human TNRC5 / CNPY3 (31-278, His-tag) - Purified

Alternate names:

CTG repeat protein 4a, CTG4A, ERDA5, Expanded repeat-domain protein CAG/CTG 5, PRAT4A, Protein associated with TLR4, Protein canopy homolog 3, Trinucleotide repeat-containing gene 5 protein

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9BT09](#)

NCBI:

[NP_006577](#)

GeneID:

[10695](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human CNPY3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MSGSPQAGA EENDWRLPS KCEVCKYVAV ELKSAFEETG
KTKEVIGTGY GILDQKASGV KYTKSDLRLI EVTETICKRL LDYSLHKERT GSNRFAKGMS
ETFETLHNLV HKGVKVMDI PYELWNESA EVADLKKQCD VLVEEFEEVI EDWYRNHQEE
DLTEFLCANH VLKGKDTSL AEQWSGKKGD TAALGGKSK KKSSRAKAAG GRSSSSKQRK
ELGGLEGDPS PEEDEGIQKA SPLTHSPDE L

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

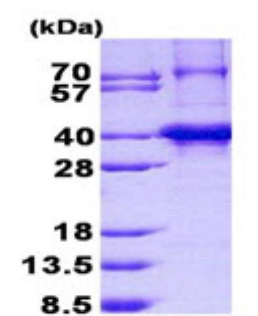
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

Pictures:



15% SDS-PAGE (3ug)