

Recombinant human TNRC5/CNPY3 protein

Catalog Number: ATGP1994

PRODUCT INFORMATION

Expression system

E.coli

Domain

31-278aa

UniProt No.

Q9BT09

NCBI Accession No.

NP_006577

Alternative Names

Canopy 3 homolog, CAG4A, ERDA5, PRAT4A, TNRC5

PRODUCT SPECIFICATION

Molecular Weight

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

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

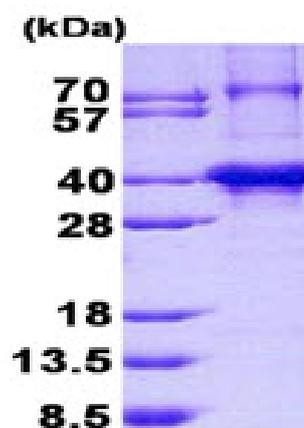
MGSSHHHHHH SSGLVPRGSH MSGGPSQAGA EENDWVRLPS KCEVCKYVAV ELKSAFEETG KTKEVIGTGY GILDQKASGV
KYTKSDLRLI EVTETICKRL LDYSLHKERT GSNRFAKGMS ETFETLHNLV HKGVKVMDI PYELWNETSA EVADLKKQCD
VLVEEFEEVI EDWYRNHQEE DLTEFLCANH VLK GKDT SCL AEQWSGKKGD TAALGGKSK KKSSRAKAAG GRSSSSKQRK
ELGGLEGDPS PEEDEGIQKA SPLTHSPPE L

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)