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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, CNPY3i s 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

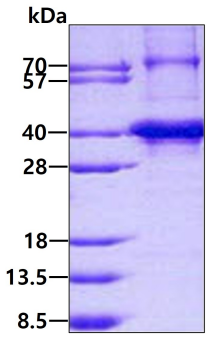
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General References

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.