

CNPY3, 31-278aa, Human, His tag, E.coli

Cat.NO.: TP01667

3th Edition

Synonyms:Canopy 3 homolog, CAG4A, ERDA5, PRAT4A, TNRC5

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSGPSQAGAEENDWVRLPSKCEVCKYVAVELKSAFEETGKTKEVIGTGYGILD
QKASGVKYTKSDLRLIEVTETICKRLLDYSLHKERTGSNRFKGMSETFETLHNLVHKGVKVMDIPYELWNETS
AEVADLKKQCDVLVEEFEEVIEDWYRNHQEEDLTEFLCANHVLKGGKDTSCLAEQWSGKKGDTAALGGKSKKKSSRA
KAAGGRSSSSKQRKELGGLEGDPSPEEDEGIQKASPLTHSPPDEL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.