
Product Data Sheet

Product Name: CNPY3 Human

Cat. No.: GP23188

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance solidShipping
Condition Shipped with Ice Packs.

Synonyms CAG4A; ERDA5; PRAT4A; TNRC5; Protein canopy homolog 3; CTG repeat protein 4a; Expanded repeat-domain protein CAG/CTG 5; Protein associated with TLR4; Trinucleotide repeat-containing gene 5 protein; CNPY3.

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.

Formulation CNPY3 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Introduction

Canopy 3 homolog (CNPY3) is a 271 a.a Toll-like receptor specific co-chaperone for HSP90B1. CNPY3 is necessitated for proper TLR folding, excluding that of TLR3, and so controls TLR exit from the endoplasmic reticulum. Therefore, CNPY3 is required for both innate and adaptive immune responses.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CNPY3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 271 amino acids (31-278 a.a.) and having a molecular mass of 29.9kDa. CNPY3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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