

## CNPY3 Human

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

Catalog #:PRPS-1393

For research use only.

**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.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MSGGPSQAGA EENDWVRLPS  
KCEVCKYVAV ELKSAFEETG KTEVIGTGY GILDQKASGV KYTKSDLRLI EVTETICKRL  
LDYSLHKERT GSNRFAKGMS ETFETLHNLV HGVKVVMDI PYELWNESA EVADLKKQCD  
VLVEEFEEVI EDWYRNHQEE DLTEFLCANH VLKGKDTSCLEAQWSGKKGD TAALGGKSK  
KKSSRAKAAG GR

**Purity:** Greater than 85% as determined by SDS-PAGE.

**Formulation:**

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

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Short chain dehydrogenase/reductase family 16C, member5 (SDR16C5) is active in the oxidative direction as well as in the reductive one. SDR16C5 oxidizes all-trans-retinol in all-trans-retinaldehyde. No activity was detected with 11-cis-retinol or 11-cis-retinaldehyde as substrates with either NAD<sup>+</sup>/NADH or NADP<sup>+</sup>/NADPH.

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