**RPC830Hu02 100μg**

**Recombinant Adenylyl Cyclase Associated Protein 2 (CAP2)**

**Organism Species: Homo sapiens (Human)**

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)
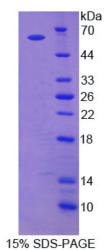
# [ PROPERTIES ]

**Residues:** Met1~Ala477

**Tags:** Two N-terminal Tags, His-tag and S-tag

**Accession:** P40123

**Host:** *E. coli*

**Subcellular Location:** Cell membrane; Peripheral membrane protein.

**Purity:** >90%

**Endotoxin Level:** <1.0EU per 1μg (determined by the LAL method).

**Formulation:** Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

**Predicted isoelectric point:** 6.0

**Predicted Molecular Mass:** 59.5kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

kDa
70
44
33
26
22
18
14
10

15% SDS-PAGE

# [ USAGE ]

Reconstitute in sterile PBS, pH7.2-pH7.4.

# [ STORAGE AND STABILITY ]

**Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

# [ SEQUENCES ]

The sequence of the target protein is listed below.

MANMQGLVER LERAVSRLES LSAESHRPPG NCGEVNGVIA GVAPSVEAFD KLMDSMVAEF
LKNSRILAGD VETHAEMVHS AFQAQRAFLL MASQYQQPHE NDVAALLKPI SEKIQEIQTF
RERNRGSNMF NHLSAVSESI PALGWIAVSP KPGPYVKEMN DAATFYTNRV LKDYKHSDLR
HVDWVKSYLN IWSELQAYIK EHHTTGLTWS KTGPVASTVS AFSVLSSGPG LPPPPPPLPP
PGPPPLFENE GKKEESSPSR SALFAQLNQG EAITKGLRHV TDDQKTYKNP SLRAQGGQTQ
SPTKSHTPSP TSPKSYPSQK HAPVLELEGK KWRVEYQEDR NDLVISETEL KQVAYIFKCE
KSTIQIKGKV NSIIIDNCKK LGLVFDNVVG IVEVINSQDI QIQVMGRVPT ISINKTEGCH
IYLSEDALDC EIVSAKSSEM NILIPQDGDY REFPIPEQFK TAWDGSKLIT EPAEIMA