

**RPD076Hu01 50µg**

**Recombinant Carbonic Anhydrase IX (CA9)**

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

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Pro59~Asp414

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane, Nucleus

**Purity:** > 97%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

**Original Concentration:** 50µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

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

**Predicted isoelectric point:** 4.8

**Predicted Molecular Mass:** 42.5kDa

**Accurate Molecular Mass:** 45kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

**[ 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. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

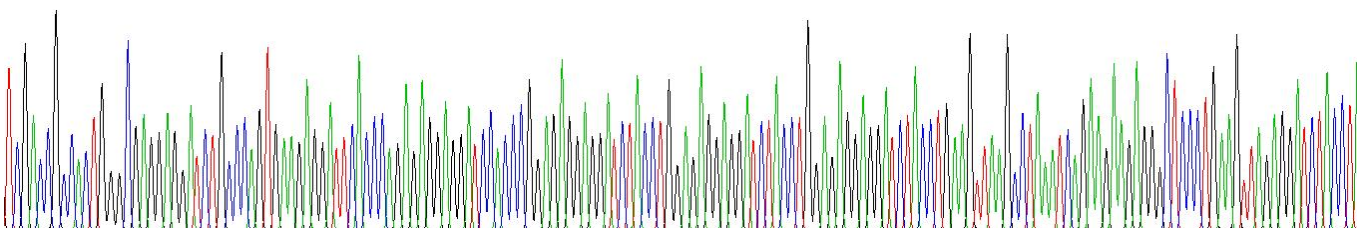
**[ SEQUENCE ]**

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PL GEEDLPSEED SPREEDPPGE EDLPGEEDLP GEEDLPEVKP
KSEEEGSLKL EDLPTVEAPG DPQEPQNNAH RDKEGDDQSH WRYGGDPPWP
RVSPACAGRF QSPVDIRPQL AAFCPALRPL ELLGFQLPPL PELRLRNNGH
SVQLTLPPGL EMALGPGREY RALQLHLHWG AAGRPGSEHT VEGHRFPAEI
HVVHLSTAFV RVDEALGRPG GLAVLAAFLE EGPEENSAYE QLLSRLEEIA
EEGSETQVPG LDISALLPSD FSRYFQYEGS LTPPCAQGV IWTVFNQTM
LSAKQLHTLS DTLWGPDSR LQLNFRATQP LNGRVIEASF PAGVDSSPRA
AEPVQLNSCL AAGD
    
```

**[ IDENTIFICATION ]**

TCGACCGCACTGGGCGAGGAGGATCTGCCAAGTGAAGAGGATTCACCCAGAGAGGAGGATCCACCGGAGAGGAGGATCTAOCCTGGAGAGGAGGATCTAOCCTGGAGAGGAGGATCTAOCCTGAAAGTTAAGCCTAAATCAGAAAGAGAGGAGGATCCCTGAAAGTTAGAGGATCTAOCCT



**Figure . Gene Sequencing (extract)**

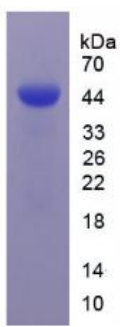


Figure. SDS-PAGE

**[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.