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# Recombinant Carbonic Anhydrase II (CA2)

**Catalog Number: SIPA174Mu01** **Spec: 100ug**

| | |
|---|---|
| **Product Name** | Recombinant Carbonic Anhydrase II (CA2) |
| **Catalog Number** | SIPA174Mu01 |
| **Organism Species** | Mouse |
| **Source** | Prokaryotic expression |
| **Host** | E.coli |
| **Residues** | Trp5~Lys260 |
| **Tags** | N-terminal His Tag |
| **Subcellular Location** | Membrane, Cytoplasm |
| **Purity** | > 90% |
| **Traits** | Freeze-dried powder |
| **Buffer formulation** | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose . |
| **Original Concentration** | 200μg/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** | 6.9 |
| **Predicted Molecular Mass** | 32.2kDa |
| **Accurate Molecular Mass** | 33kDa as determined by SDS-PAGE reducing conditions. |

**[ USAGE ]**

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

**[ STORAGE AND STABILITY ]**

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

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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 ]**

WGYSKHNGPENWHKDFPIANGDRQSPVDIDTATAQHDPALQPLLISYDKAASKSIVNNGHSFNV
EFDDSQDNAVLKGGPLSDSYRLIQFHFHWGSSDGQGSEHTVNKKKYAAELHLVHWNTKYGDFGK
AVQQPDGLAVLGIFLKIGPASQGLQKVLEALHSIKTKGKRAAFANFDPCSLLPGNLDYWTYPGS
LTTPPLLECVTWIVLREPITVSSEQMSHFRTLNFNEEGDAEEAMVDNWRPAQPLKNRKIKASFK

**[ IDENTIFICATION ]**

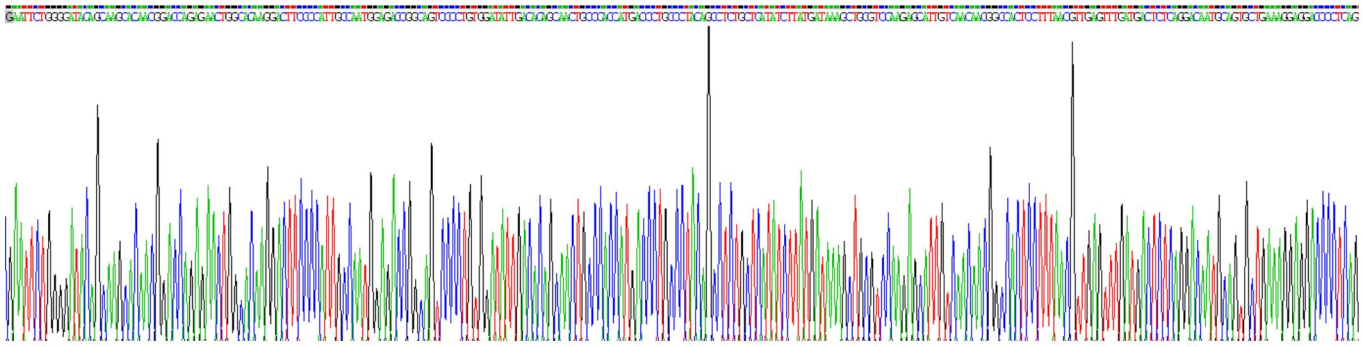


Figure . Gene Sequencing (extract)

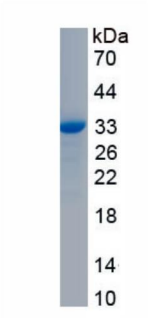



Figure. SDS-PAGE

**[ 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.