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Recombinant Carbonic Anhydrase II (CA2)

Catalog Number: SIPA174Hu01 **Spec: 100ug**

Product Name	Recombinant Carbonic Anhydrase II (CA2)
Catalog Number	SIPA174Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Trp5~Ser258
Tags	N-terminal His Tag
Subcellular Location	Membrane, Cytoplasm
Purity	> 97%
Traits	Freeze-dried powder
Buffer formulation	100mMNaHCO3, 500mMNaCl, pH8.3, 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	6.6
Predicted Molecular Mass	29.7kDa
Accurate Molecular Mass	29kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH2O to a concentration of 0.1-0.25 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]

WGYGKH NGPEHWHKDF PIAKGERQSP VDIDTHTAKY DPSLKPLSVS
YDQATSLRIL NNGHAFNVEF DDSQDKAVLK GGPLDGTYRL IQFHFHWGSL
DGQGSEHTVD KKKYAAELHL VHWNTKYGDF GKAVQQPDGL AVLGIFLKVG
SAKPGLQKVV DVLDSIKTKG KSADFTNFDP RGLLPESLDY WTYPGSLTTP
PLLECVTWIV LKEPISVSSE QVLKFRKLNF NGEGEPEELM VDNWRPAQPL
KNRQIKAS

[IDENTIFICATION]

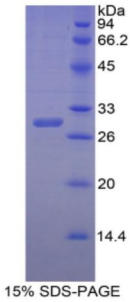


Figure. SDS-PAGE

[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.