SunLong Biotech Co.,LTD
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Recombinant Carbonic Anhydrase IV (CA4)

Catalog Number: SIPD045Hu01 **Spec: 200ug**

Product Name	Recombinant Carbonic Anhydrase IV (CA4)
Catalog Number	SIPD045Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Ala19~Lys283
Tags	N-terminal His Tag
Subcellular Location	Membrane
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl, 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	6.5
Predicted Molecular Mass	31.8kDa
Accurate Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

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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]

AE SHWCYEVQAE SSNYPCLVPV KWGGNCQKDR
QSPINIVTTK AKVDKKLGRF FFSGYDKKQT WTVQNNGHSV MMLLENKASI
SGGGLPAPYQ AKQLHLHWSD LPYKGSEHSL DGEHFAMEMH IVHEKEKGTS
RNVKEAQDPE DEIAVLAFLV EAGTQVNEGF QPLVEALSNI PKPEMSTTMA
ESSLLDLLPK EEKLRHYFRY LGSLTTPTCD EKVVWTVFRE PIQLHREQIL
AFSQKLYYDK EQTVSMKDNV RPLQQLGQRT VIK

[IDENTIFICATION]

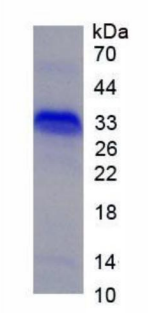


Figure. SDS-PAGE

[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.