

RPB486Hu03 10µg

Recombinant Calreticulin (CALR)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Glu18~Leu417

Tags: N-terminal His Tag

Subcellular Location: Secreted, Cytoplasm, Extracellular matrix

Purity: > 95%

Traits: Freeze-dried powder

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

Original Concentration: 150µg/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: 4.0

Predicted Molecular Mass: 50.2kDa

Accurate Molecular Mass: 52kDa 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 2-8°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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EPA VYFKEQFLDG DGWTSRWIES KHKSDFGK FV
LSSGKFYGD E EKDKGLQTSQ DARFYALSAS FEPFSNKGQT LVVQFTVKHE
QNIDCGGGYV KLFPNSLDQT DMHGDSEYNI MFGPDICGPG TKKVHVIFNY
KGKNVLINKD IRCKDDEFTH LYTLIVRPDN TYEVKIDNSQ VESGSLEDDW
DFLPPKKIKD PDASKPEDWD ERAKIDDPTD SKPEDWDKPE HIPDPDAKPP
EDWDEEMDGE WEPPVIQNPE YKGEWKPRQI DNPDYKGTWI HPEIDNPEYS
PDPSIYAYDN FGVGLGLDLWQ VKSGTIFDNF LITNDEAYAE EFGNETWGVT
KAAEKQMKDK QDEEQRKKEE EEDKKRKEEE EAEDKEDDED KDEDEEDED
KEEDEEEDVP GQAKDEL
    
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[IDENTIFICATION]

AGAAATTCGAGCCTGCGCTACTTCAAGGAGCAGTTTCTGGAACGAGACGGGTGGACTTCCCGCTGGATCGAATCCAAACACAAGTCAGATTTTGGCAAATTCGTTCTCAGTTCCGGCAAGTTCTACGGTGACGAGGAGAAAGATAAA

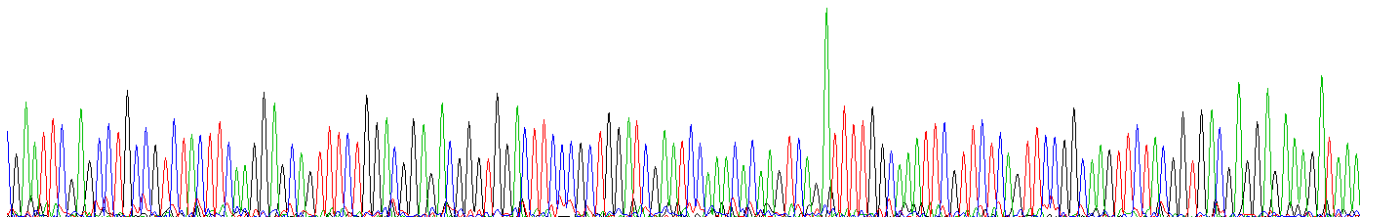


Figure . Gene Sequencing (extract)



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.