

RPA884Hu01 100µg

Recombinant Dipeptidyl Peptidase IV (DPP4)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ser484~Val728

Tags: N-terminal His-Tag

Tissue Specificity: Intestine, Breast Cancer, Prostate Gland Cancer.

Subcellular Location: Secreted, Cell membrane; Single-pass type II membrane protein. Apical cell membrane; Cell projection, invadopodium membrane; lamellipodium membrane.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 29.0kDa

Accurate Molecular Mass: 29kDa 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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SSVNDKG LRVLEDNSAL
DKMLQNVQMP SKKLDFIILN ETKFWYQMIL PPHFDKSKKY PLLLDVYAGP
CSQKADTVFR LNWATYLAST ENIIVASFDG RGSQYQGDKI MHAINRRLGT
FEVEDQIEAA RQFSKMGFVD NKRIAIWGS YGGYVTSMLV GSGSGVFKCG
IAVAPVSRWE YYDSVYTERY MGLPTPEDNL DHYRNSTVMS RAENFKQVEY
LLIHGTADDN VHFQQAQIS KALVDVGV
    
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[IDENTIFICATION]

ATCAGGCTGATGTTAAGGCTGAGGCTCTGAGGCAATTCAGCTTTGGATAAAATGCTCAGATGTCAGATGCTCCAAAACCTGACTTATTTTGGATGAACAAAATTTGGATCAGATGCTCTGCTCTCCTATTTTGATAAAACAGAAATATCTCTACTATTAGATGATCGAGGCTC
S S V N D K G L R V L E D N S A L D R K L F I I L N E T K F W Y Q M I L P P H F D K S K K Y P L L L D V Y A G P C S Q K A D T V F R L N W A T Y L A S T E N I I V A S F D G R G S Q Y Q G D K I M H A I N R R L G T F E V E D Q I E A A R Q F S K M G F V D N K R I A I W G S Y G G Y V T S M L V G S G S G V F K C G I A V A P V S R W E Y Y D S V Y T E R Y M G L P T P E D N L D H Y R N S T V M S R A E N F K Q V E Y L L I H G T A D D N V H F Q Q A Q I S K A L V D V G V

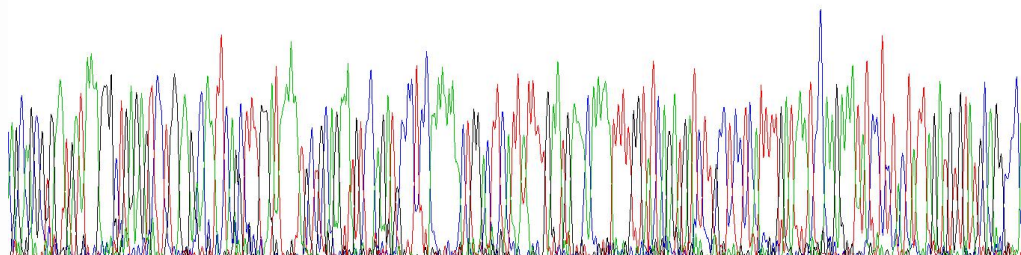


Figure 1. Gene Sequencing (Extract)

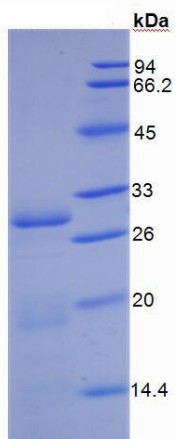


Figure 2. SDS-PAGE