**RPF709Hu01 50μg**

**Recombinant Peptidyl Arginine Deiminase Type IV (PADI4)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

## [ PROPERTIES ]

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Met1~Pro300

**Tags:** N-terminal His Tag

**Subcellular Location:** Nucleus, Cytoplasm

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**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:** 6.0

**Predicted Molecular Mass:** 36.3kDa

**Accurate Molecular Mass:** 36kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) 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.

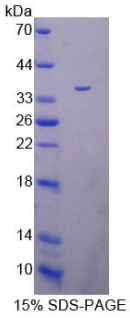
Aliquot and store at -80ºC for 12 months.

**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 ]

MAQGTLIRVT PEQPTHAVCV LGTLTQLDIC SSAPEDCTSF SINASPGVVV
DIAHGPPAKK KSTGSSTWPL DPGVEVTLTM KVASGSTGDQ KVQISYYGPK
TPPVKALLYL TGVEISLCAD ITRTGKVKPT RAVKDQRTWT WGPCGQGAIL
LVNCDRDNLE SSAMDCEDDE VLDSEDLQDM SLMTLSTKTP KDFFTNHTLV
LHVARSEMDK VRVFQATRGK LSSKCSVVLG PKWPSHYLMV PGGKHNMDFY
VEALAFPDTD FPGLITLTIS LLDTSNLELP EAVVFQDSVV FRVAPWIMTP

## [ IDENTIFICATION ]



15% 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.