RPF709Hu01 50μg
Recombinant Peptidyl Arginine Deimina Type IV (PADI4)
Organism Species: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Met1~Pro300

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q9UM07

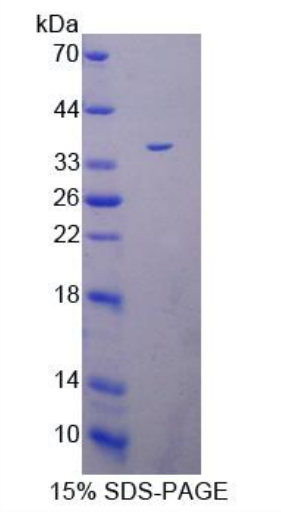
Host: *E. coli*

Subcellular Location: Cytoplasm. Nucleus. Cytoplasmic granule.

Purity: >95%

Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).

Formulation: Supplied as lyophilized form in 100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.



15% SDS-PAGE

Predicted isoelectric point: 6.0

Predicted Molecular Mass: 36.4kDa

Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile ddH_2O.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8^{o}C for one month.

Aliquot and store at -80^{o}C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37^{o}C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

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

[REFERENCES]

1. Nakashima K., *et al.* (1999) J. Biol. Chem. 274:27786-27792.

2. Chavanas S., *et al.* (2004) Gene 330:19-27.

3. Asaga H., *et al.* (2001) J. Leukoc. Biol. 70:46-51.

4. Suzuki A., *et al.* (2003) Nat. Genet. 34:395-402.