

Recombinant Human PADI4 Protein

Catalog #	Source	Reactivity	Applications
CRP2052	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human PADI4 Protein is produced by our E. coli expression system and the target gene encoding Met1-Pro663 is expressed with a 6His tag at the N-terminus.

Form Liquid in a 0.2 μM filtered solution of 50mM Tris-HCl, 500mM NaCl, pH7.5.

Gene Symbol PADI4

Alternative Names PADI5; PDI5; Protein-arginine deiminase type-4; HL-60 PAD; Peptidylarginine deiminase IV; Protein-arginine deiminase type IV

Entrez Gene 23569 (Human)

SwissProt Q9UM07 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MGSSHHHHH SGLVPRGSH MAQGTLIRVT PEQPTHAVCV LGTLTQLDIC SSAPEDCTSF
 SINASPGVVV DIAHSPPAKK KSTGSSTWPL DPGVEVTLTM KAASGSTGDQ KVQISYYGPK
 TPPVKALLYL TAVEISLCAD ITRTGKVKPT RAVKDQRTWT WGPCGQGAIL LVNCDRDNLE
 SSAMDCEDE VLDSEDLQDM SLMTLSTKTP KFFTNHTLV LHVARSEMDK VRFVQATR GK
 LSSKCSVVLG PKWPSHYLMV PGGKHNMDFY VEALAFPDTD FPGLITLIS LLDTSNLELP
 EAVVFQDSVV FRVAPWIMTP NTQPPQEVYA CSIFENEDFL KSVTTLAMKA KCKLTICPEE
 ENMDDQWMQD EMEIGYIQAP HKTLPVVFDSPRNRGLKEFP IKRVMGPDFG
 YVTRGPQTGG ISGLDSFGNL EVSPPVTVRG KEYPLGRILF GDSCYPSNDS RQMHQALQDF
 LSAQQVQAPV KLYSDWLSVG HVDEFSLFVP APDRKGFRL LASPRSCYKL FQEQQNEG HG
 EALLFEGIKK KKQQKIKNIL SNKTLREHNS FVERCIDWNR ELLKRELGLA ESDIIDIPQL
 FKLKEFSKAE AFFPNMVNML VLGKHLGIPK PFGPVINGRC CLEEKVCSLL EPLGLQCTFI

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

NDFFTYHIRH GEVHCGTNVR RKPFSFKWWN MVP

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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