

Active Recombinant Human PADI4, His-tagged

Cat. No. PADI4-317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PADI4 (Accession # AAH25718) Ala2-Pro663, fused with an N-terminal 11 kDa fusion protein, a thrombin cleavage linker and a C-terminal 6-His tag, was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	2-663 a.a.
Predicted N Terminal	Inconclusive result, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments
Form	Supplied as a 0.2 µ filtered solution in Sodium Acetate, NaCl, DTT, EDTA and Glycerol.
Bio-activity	Measured by its ability to catalyze the deimination of benzoyl-arginine ethyl ester. The specific activity is >1000 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human PADI4, His-tagged has a calculated MW of 87 kDa. In SDS-PAGE migrates as 75-85 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.

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Storage Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name [PADI4 peptidyl arginine deiminase, type IV \[Homo sapiens \]](#)

Official Symbol PADI4

Synonyms PADI4; peptidyl arginine deiminase, type IV; PADI5, peptidyl arginine deiminase, type V; protein-arginine deiminase type-4; PAD; PDI4; PDI5; HL-60 PAD; PADI-H protein; protein-arginine deiminase type IV; peptidyl arginine deiminase, type V; PAD4; PADI5;

Gene ID [23569](#)

mRNA Refseq [NM_012387](#)

Protein Refseq [NP_036519](#)

MIM [605347](#)

UniProt ID Q9UM07

Chromosome Location 1p36.13

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