

Active Recombinant Human PADI4, Flag-tagged

Cat. No. PADI4-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PADI-4, also known as Peptidyl arginine deiminase, type IV, 1-663(end), with C-terminal FLAG-tag, MW= 75 kDa, expressed in a Baculovirus infected Sf9 cell expression system.
Species	Human
Source	Sf9 Cells
ProteinLength	1-663 a.a.
Description	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 3 mM DTT, 20% glycerol, and 80 g/ml FLAG peptide
Bio-activity	≥80 pmole/min/μg
Molecular Mass	75 kDa
Purity	≥65%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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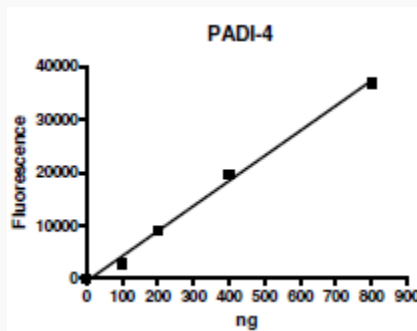
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Storage	>6 months at –80°C.
Warning	Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	PADI4 peptidyl arginine deiminase, type IV [Homo sapiens]
Official Symbol	PADI4
Synonyms	PADI4; peptidyl arginine deiminase, type IV; PAD; PAD4; PDI4; PDI5; PADI5; protein-arginine deiminase type-4; HL-60 PAD; PADI-H protein; OTTHUMP00000002482; protein-arginine deiminase type IV; peptidyl arginine deiminase, type V
Gene ID	23569
mRNA Refseq	NM_012387
Protein Refseq	NP_036519
MIM	605347
UniProt ID	Q9UM07
Chromosome Location	1p36.13
Pathway	protein citrullination
Function	arginine deiminase activity; calcium ion binding; protein binding; protein-arginine deiminase activity

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