

PADI4 Protein, Human (His)

Cat. No.:	HY-P70990
Synonyms:	Protein-Arginine Deiminase Type-4; HL-60 PAD; Peptidylarginine Deiminase IV; Protein-arginine Deiminase type IV; PADI4; PADI5; PDI5
Species:	Human
Source:	E. coli
Accession:	AAH25718.1 (M1-P663)
Gene ID:	23569
Molecular Weight:	71-78 kDa

PROPERTIES

AA Sequence

MAQGT L I R V T	PEQPT H A V C V	LGT L T Q L D I C	SSAP E D C T S F
S I N A S P G V V V	D I A H S P P A K K	K S T G S S T W P L	D P G V E V T L T M
K A A S G S T G D Q	K V Q I S Y Y G P K	T P P V K A L L Y L	T A V E I S L C A D
I T R T G K V K P T	R A V K D Q R T W T	W G P C G Q G A I L	L V N C D R D N L E
S S A M D C E D D E	V L D S E D L Q D M	S L M T L S T K T P	K D F F T N H T L V
L H V A R S E M D K	V R V F Q A T R G K	L S S K C S V V L G	P K W P S H Y L M V
P G G K H N M D F Y	V E A L A F P D T D	F P G L I T L T I S	L L D T S N L E L P
E A V V F Q D S V V	F R V A P W I M T P	N T Q P P Q E V Y A	C S I F E N E D F L
K S V T T L A M K A	K C K L T I C P E E	E N M D D Q W M Q D	E M E I G Y I Q A P
H K T L P V V F D S	P R N R G L K E F P	I K R V M G P D F G	Y V T R G P Q T G G
I S G L D S F G N L	E V S P P V T V R G	K E Y P L G R I L F	G D S C Y P S N D S
R Q M H Q A L Q D F	L S A Q Q V Q A P V	K L Y S D W L S V G	H V D E F L S F V P
A P D R K G F R L L	L A S P R S C Y K L	F Q E Q Q N E G H G	E A L L F E G I K K
K K Q Q K I K N I L	S N K T L R E H N S	F V E R C I D W N R	E L L K R E L G L A
E S D I I D I P Q L	F K L K E F S K A E	A F F P N M V N M L	V L G K H L G I P K
P F G P V I N G R C	C L E E K V C S L L	E P L G L Q C T F I	N D F F T Y H I R H
G E V H C G T N V R	R K P F S F K W W N	M V P	

Biological Activity The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance Solution.

Formulation Supplied as a 0.2 µm filtered solution of 50 mM Tris-HCl, 500 mM NaCl, pH 7.5.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping

Shipping with dry ice.

DESCRIPTION**Background**

PADI4 is a hydrolase that converts arginine residues in histones to citrulline. PADI4 promotes tumor progression by up-regulating the cytokine receptor CXCR2. PADI4 can also cause inflammation and immune responses.

Caution: Product has not been fully validated for medical applications. For research use only.

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