ProteoGenix SAS
Espace Européen de l'Entreprise
15 rue de La Haye
67300 Schiltigheim, France
Tel. +33 (0)3 90 20 54 70 - Fax +33 (0)3 88 56 16 88
contact@proteogenix.fr
www.ProteoGenix.science

Human arginine deiminase type-4 Recombinant Protein

PX-P2084-10

DESCRIPTION

Human arginine deiminase type-4 Recombinant Protein most commonly known as PADI4 is a human protein which in humans is encoded by the PADI4 gene. The protein is located in the cytoplasm, nucleus and in cytoplasmic granules of eosinophils and neutrophils. It is not expressed in peripheral monocytes or lymphocytes. It is also expressed in rheumatoid arthritis synovial tissues. It may play a role in in granulocyte and macrophage development leading to inflammation and immune response. PADI4 plays a role in the epigenetics, the deimination of arginines on histones 3 and 4 can act antagonistically to arginine methylation.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Human
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	99.90 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Eukaryotic expression
HOST	Insect
PURITY	70%
PROTEIN ACCESSION	2DW5_A
FORM	Frozen
BUFFER	PBS, pH 7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

ProteoGenix
Antibodies and Proteins

ProteoGenix SAS
Espace Européen de l'Entreprise
15 rue de La Haye
67300 Schiltigheim, France
Tel. +33 (0)3 90 20 54 70 - Fax +33 (0)3 88 56 16 88
contact@proteogenix.fr
www.ProteoGenix.science

MORE INFO

GENE ID	23569
SWISSPROTID	Q9UM07
UNIPROT ID	Q9UM07
UNIPROT LINK	http://www.uniprot.org/uniprot/Q9UM07
NCBI GENE ALIASES	PADI5, PAD, PAD4, PDI5, PDI4
SYNONYMS	Protein-arginine deiminase type-4 Human, peptidyl arginine deiminase, type IV, Protein-arginine deiminase type-4 ou HL-60 PAD ou Peptidylarginine deiminase IV ou Protein-arginine deiminase type IV, PAD4

PROTEIN SEQUENCE

MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYG
VSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQAT
FGGGDHPPKSDEFMAQGTLIRVTPEQPTHAVCVLGTLTQLDICSSA

For research use only.