

Human arginine deiminase type-2 Recombinant Protein

PX-P2082-10

DESCRIPTION

Human arginine deiminase type-2 Recombinant Protein (PADI2) is an enzyme that in humans is encoded by the PADI2 gene. It encodes a part of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by remodeling arginine residues into citrullines in the presence of calcium ions. It plays an important role in the onset and progression of neurodegenerative human disorders, including Alzheimer disease and multiple sclerosis, and it has also been implicated in glaucoma pathogenesis.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Human
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	101.39 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Eukaryotic expression
HOST	Insect
PURITY	30%
PROTEIN ACCESSION	NP_031391.2
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)

MORE INFO

GENE ID	11240
SWISSPROTID	Q9Y2J8
UNIPROT ID	Q9Y2J8
UNIPROT LINK	http://www.uniprot.org/uniprot/Q9Y2J8
NCBI GENE ALIASES	PDI2, PAD2, PAD-H19
SYNONYMS	Protein-arginine deiminase type-2 Human, peptidyl arginine deiminase, type II, Protein-arginine deiminase type-2 ou PAD-H19 ou Peptidylarginine deiminase II ou Protein-arginine deiminase type II

PROTEIN SEQUENCE

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHL YERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIRYIADKHNMLGGCPKERA EISMLEGAVLDIRYG
VSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHSVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQAT
FGGGDHPPKSDEFMLRERTVRLQYGSRVEAVYVLGTYLWTDVYSAA

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