Recombinant Human PADI4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PADI4-5493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PADI4 MS Standard C13 and N15-labeled recombinant protein (NP_036519) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	74.1 kDa
AA Sequence	MAQGTLIRVTPEQPTHAVCVLGTLTQLDICSSAPEDCTSFSINASPGVVVDIAHSPPA KKKSTGSSTWPLDPGVEVTLTMKAASGSTGDQKVQISYYGPKTPPVKALLYLTAVEI SLCADITRTGKVKPTRAVKDQRTWTWGPCGQGAILLVNCDRDNLESSAMDCEDDE VLDSEDLQDMSLMTLSTKTPKDFFTNHTLVLHVARSEMDKVRVFQATRGKLSSKCS VVLGPKWPSHYLMVPGGKHNMDFYVEALAFPDTDFPGLITLTISLLDTSNLELPEAVV FQDSVVFRVAPWIMTPNTQPPQEVYACSIFENEDFLKSVTTLAMKAKCKLTICPEEE NMDDQWMQDEMEIGYIQAPHKTLPVVFDSPRNRGLKEFPIKRVMGPDFGYVTRGP QTGGISGLDSFGNLEVSPPVTVRGKEYPLGRILFGDSCYPSNDSRQMHQALQDFLS AQQVQAPVKLYSDWLSVGHVDEFLSFVPAPDRKGFRLLLASPRSCYKLFQEQQNE

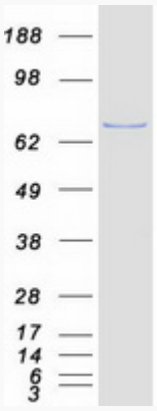
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	GHGEALLFEGIKKKKQQKIKNILSNKTLREHNSFVERCIDWNRELLKRELGLAESDIIDI PQLFKLKEFSKAEAFFPNMVNMLVLGKHLGIPKPFGPVINGRCCLEEKVCSLLEPLGL QCTFINDFFTYHIRHGEVHCGTNVRRKPFSFKWWNMVPSGPTRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PADI4 peptidyl arginine deiminase 4 [Homo sapiens (human)]
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

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Protein Refseq	NP_036519
MIM	605347
UniProt ID	Q9UM07
SDS-PAGE	

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