

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 VLDSEDLQDMSLMTLSTKTPKDDFTNHTLVLHVARSEMDKVRVFQATRGLSSKCS VVLGPKWPSHYLMVPGGKHNMDFYVEALAFPD TDFPGLITLTISLLDTSNLELPEAVV FQDSVVFRVAPWIMTPNTQPPQEVYACSFENEDFLKSVTTLAMKAKCKLTICPEEE NMDDQWMQDEMEIGYIQAPHKTLPVVFDSPRNRGLKEFPIKRVMGPDFGYVTRGP QTGGISGLDSFGNLEVSPPVTVRGKEYPLGRILFGDSCYPSNDSRQMHQALQDFLS AQQVQAPVKLYSDWLSVGHVDEFLSFVPAPDRKGFRLLLASPRSCYKLFQEQQNE

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GHGEALLFEGIKKKKQKIKNILSNKTLREHNSFVERCIDWNRELLKRELGLAESDIIDI
PQLFKLKEFSKAEAFFPNMVNMLVLGKHLGIPKPFPGPVINGRCCLEEKVCSLLEPLGL
QCTFINDFFTYHIRHGEVHCGTNNRRKPFSEKWWNMVPSGPTRTRPLEQKLISEED
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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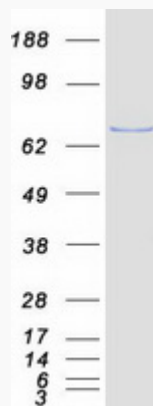
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Protein Refseq NP_036519

MIM 605347

UniProt ID Q9UM07

SDS-PAGE



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