

Recombinant Full Length Human PADI4 Protein, C-Flag-tagged

Cat. No. PADI4-442HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PADI4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	73.9 kDa
AA Sequence	MAQGTLRVTPEQPTHAVCVLGTLTQLDICSSAPEDCTSFSINASPGVVVDIAHSPPA KKKSTGSSTWPL DPGVEVTLTMKAASGSTGDQKVQISYYGPKTPPVKALLYLTAVEI SLCADITRTGKVKPTRAVKDQRTWT WGPCGQGAILLVNCDRDNLESSAMDCEDDE VLDSIDLQDMSLMTLSTKTPKDDFTNHTLVLHVARSEMDK VRVFQATRGLSSKCS VVLGPKWPSHYLMVPGGKHNMDFYVEALAFPD TDFPGLITLTISLLDTSNLELP EAV VFQDSVVFRVAPWIMTPNTQPPQEVYACSFENEDFLKSVTTLAMKAKCKLTICPEE ENMDDQWMQD EMEIGYIQAPHKTLPVVFDSPRNRGLKEFPIKRVMGPDFGYVTRG PQTGGISGLDSFGNLEVSPPVTVRG KEYPLGRILFGDSCYPSNDSRQMHQALQDFL SAQQVQAPVKLYSDWLSVGHVDEFLSFVPAPDRKGFRL LASPRSCYKLFQEQQN

 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

EGHGEALLFEGIKKKKQQKIKNILSNKTLREHNSFVERCIDWNRELLKRELGLA ESDII
 DIPQLFKLKEFSKAEAFFPNMVNMLVLGKHLGIPKPFPGPVINGRCCLEEKVCSLLEPL
 GLQCTFI
 NDDFTYHIRHGEVHCGTNNVRRKPFSEKWWNMVPSGPTRTRPLEQKLISEEDLAAND
 ILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	PADI4 peptidyl arginine deiminase 4 [Homo sapiens (human)]
Official Symbol	PADI4
Synonyms	PAD; PAD4; PDI4; PDI5; PADI5
Gene ID	23569
mRNA Refseq	NP_036519.2

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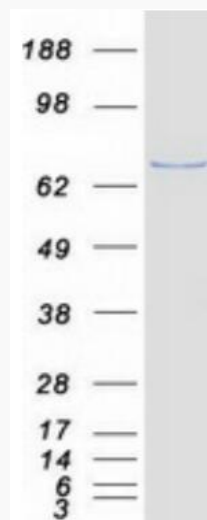
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Protein Refseq NP_036519.2

MIM 605347

UniProt ID Q9UM07



Coomassie blue staining of purified PADI4 protein.

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