

Product datasheet for TP306501

PADI4 (NM_012387) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidyl arginine deiminase, type IV (PADI4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206501 protein sequence Red=Cloning site Green=Tags(s)

MAQGTLIRVTPEQPTHAVCVLGLTLTQLDICSSAPEDCTSFSINASPGVWVDIAHSPPAKKKSTGSSTWPL
DPGVEVTLTMKAASGSTGDQKVQISYYGPKTPPVKALLYLTAVEISLCADITRTGKVKPTRAVKDQRTWT
WGPCGQGAILLVNCDRDNLESSAMDCEDDEVLDSEDLQDMSLMTLSTKTPKDFFTNHTLVLVHVARSEMDK
VRVFQATRGLSSKCSVVLGPKWPSHYLMVPGGKHNMDFYVEALAFPDTDFPGLITLTLISLLDTSNLELP
EAVVFQDSVFRVAPWIMTPNTQPPQEVYACSFENEDFLKSVTTLAMKAKCKLTICPEENMDDQWMQD
EMEIGYIQAPHKTLPVFDSRNRGLKEFPIKRVMPDFGYVTRGPQTGGISGLDSFGNLEVSPVTVRG
KEYPLGRILFGDSCYPSNDSRQMHQALQDFLSAQVQAPVKLYSDWLSVGHVDFLSFVPAPDRKGFRL
LASPRSCYKLFQEQQNEGHGEALLFEGIKKKKQKIKNILSNKTLREHNSFVERCIDWNRELLKRELGLA
ESDIIDIPQLFKLKEFSKAEAFFPNMVMNMLVLGKHLGIPKPFPGVINGRCCLEEKVCSLLEPLGLQCTFI
NDFFTYHIRHGEVHCGTNRKPKPFSFKWWNMVP

SGPTRRTRPLEQKLISEEDLAANDILDYKDDDDKV

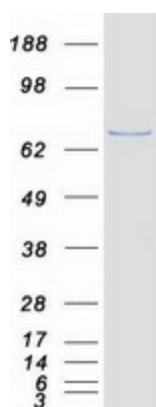
Tag:	C-Myc/DDK
Predicted MW:	73.9 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_036519</u>
Locus ID:	23569
UniProt ID:	<u>Q9UM07</u>
RefSeq Size:	2265
Cytogenetics:	1p36.13
RefSeq ORF:	1989
Synonyms:	PAD; PAD4; PADI5; PDI4; PDI5
Summary:	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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified PADI4 protein (Cat# TP306501). The protein was produced from HEK293T cells transfected with PADI4 cDNA clone (Cat# [RC206501]) using MegaTran 2.0 (Cat# [TT210002]).