

Recombinant Rat PADI4 Protein, His-tagged

Cat. No. PADI4-86R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PADI4 Protein, fused to His-tag, was expressed in E. coli.
Species	Rat
Source	E.coli
Description	Enables protein-arginine deiminase activity. Involved in protein citrullination. Predicted to be part of protein-containing complex. Predicted to be active in cytoplasm and nucleus. Orthologous to human PADI4 (peptidyl arginine deiminase 4).
Form	50mM Tris-HCl, 300mM NaCl, pH 9.0.
Molecular Mass	76.63 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMAQGAVIHVAPEEPTHAVCVVGTATPLDIRGSAPR GSTSFSITASPEVVVDVIHGPPSKKSTTGASKWPLDPKLEVTLQMKAASSRIDQKV RISYYGPKTSSTQALLYLTGVLSLADVTRTGKAKPAPAGKDQSTWTWGPDPGHGA ILLVNCDEDPKSSGMDFEDDKVLDNKLQDMSPMTLSTKTPKDDFDKYQLVLQVP KAKMNKVRVFRATRGLPSRYKVVLGPQQFSHRLELLGGQHSTDFYVEGLAFPDAD FKGLIPLTISLLDKSNPELPEALVFQDTVMFRVAPWIMTPNTQPPQEVYVCRFSDNED FLKSLATFTKKAKCKLTVCPPEENQDDQWMQDEMEIGYIQAPHKTLPVVFDSPRDR GLKDFPVKRVMGPNFGYVTRGLYRAEVTGLDAFGNLEVSPPVTVRGKEYPLGRILIG SSGYSSSES RDMHQILQDFLGAQQVQAPVRLFSDWLFVGHVDEFLSFVPARGKQG FRLLLSSPRACYQMFQELQTEGHGEASLFEGLKRKRQTISDILSSQKL RDQNAYVES CIDWNREVLKRELGLTEGDIIDIPQLFRIVGNSRGNPKAEAFFPNMVNMLVLGKHLGI

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	PKPFGPIINGRCCLEEKVCSLLEPLGLHCTFINDFYSHMYHGEVHCGTNVRRKPFA FKWWHMVP
Purity	>90%
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.33 mg/ml

GENE INFORMATION

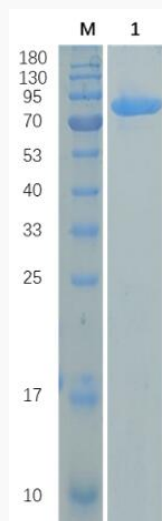
Gene Name	Padi4 peptidyl arginine deiminase 4 [Rattus norvegicus (Norway rat)]
Official Symbol	PADI4
Synonyms	Pdi4
Gene ID	29512
mRNA Refseq	NM_017227
Protein Refseq	NP_058923
UniProt ID	O88807

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SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified PADI4 (CBB stained).

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