

Datasheet for ABIN7550442  
**PADI6 Protein (AA 1-694) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PADI6
Protein Characteristics:	AA 1-694
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PADI6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PADI6 Protein expressed in mammalian cells.
Sequence:	MVSVEGRAMS FQSIHLSLD SPVHAVCVLG TEICLDLSDG APQKCQCFTI HGSGRVLIDV ANTVISEKED ATIWWPLSDP TYATVKMTSP SPSVDADKVS VTYYGPNEDA PVGTAVLYLT GIEVSLEVDI YRNGQVEMSS DKQAKKKWIW GPSGWGAILL VNCNPADVGQ QLEDKKTKKV IFSEEITNLS QMTLNVQGPS CILKKYRLVL HTSKEESKKA RVYWPQKDNS STFELVLGPD QHAYTLALLG NHLKETFYVE AIAFPSAEFS GLISYSVSLV EESQDPSIPE TVLYKDTVWF RVAPCVFIPC TQVPLEVYLC RELQLQGFVD TVTKLSEKSN SQVASVYEDP NRLGRWLQDE MAFCYTQAPH KTTSLILDTP QAADLDEFPM KYSLSPGIGY MIQDTECHKV ASMDSIGNLM VSPPVKVQGK EYPLGRVLIG SSFYPSAEGR AMSKTLRDFL YAQQVQAPVE LYSDWLMTGH VDEFMCFIPT DDKNEGKKGFF LLLLASPSAC YKLFREKQKE GYGDALLFDE LRADQLLSNG REAKTIDQLL ADESLKKQNE YVEKCIHLNR DILKTELGLV EQDIIIPQL FCLEKLTNIP SDQQPKRSFA RPYFPDLLRM IVMGKNLIGP KPFGPQIKGT CCLEEKICCL LEPLGFKCTF INDFDCYLTE VGDICACANI RRVPFKFWW KMVP <b>Sequence without tag. The proposed</b>

## Product Details

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**Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: PADI6

Alternative Name: PADI6 ([PADI6 Products](#))

Background: Protein-arginine deiminase type-6 (EC 3.5.3.15) (Peptidyl arginine deiminase-like protein) (Peptidylarginine deiminase VI) (hPADVI) (Protein-arginine deiminase type VI),FUNCTION: Catalyzes the deimination of arginine residues of proteins (By similarity). May be involved in cytoskeletal reorganization in the egg and early embryo (PubMed:27545678). {ECO:0000250, ECO:0000269|PubMed:27545678}., FUNCTION: Catalyzes the deimination of arginine residues of proteins (By similarity). In oocytes, is released during cortical reaction and plays a role in preimplantation cleavage and early embryonic development (By similarity). May be involved in cytoskeletal reorganization in the egg and early embryo (PubMed:27545678). {ECO:0000250,

## Target Details

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ECO:0000250|UniProtKB:Q8K3V4, ECO:0000269|PubMed:27545678}.

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Molecular Weight: 77.7 kDa

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UniProt: [Q6TGC4](#)

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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