

Datasheet for ABIN7556377  
**PADI1 Protein (AA 1-662) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	PADI1
Protein Characteristics:	AA 1-662
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PADI1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Padi1 Protein expressed in mammalian cells.
Sequence:	MASPRAVQLS LRKPTHAVCV VGVETLVNVY SDVPKGAKTF GVSGSSEVKI YMVYDPSRVA EPAGWAHWPL DANVDVWVVA DTVSKDLYDF KVKVSYFESQ EAAALAHSVL YLTAVDVSLD VDTGRTGKVK KGSGDKKTWR WPGGGSGAIL LVNCDRDIHG SREDLHANHL KSLEDLQDMS PMVLSCGGPD ELFESHKLVL KASLSDSRRL KVFCARGGTS LSNYKQVLGP RHSSYEVEERH SGERAIQFYV EGLAFPDASF SGLLSLSVSL VDTRPLSEVS VFTDSVTFRV APWIMTPNTQ PPELVYCSV TDIHGRNDKF LEDMSHLATK ANCKLVVCP AENRNRWVQ DELEFGYIDA PHKSFVVFD SPRNRGLRDF ALKRILGPDF GYVTREIEFA GASGLDSFGN LDVSPVVRVG NTDYPLGRIL IGGSPKPSG RRMARVVRDF LQAQQVQSPV ELYSDWLSVG HVDEFLLSFVP TSDQKGFRL LSPSACLQL FQEKKEEGYG EAEQFDGLKH KAKRSINDIL ADKHLRRDSA HVQKCIDWNR EVLKRELGLS ESDIVDIPQL FFLKGAYAEA FFPDMVNMVV LGKYLGIPKP FGPLINGRCC LEEKVRSLL PLGLRCVFID DFLFYHQLLG EIHC GTNVR RKPFTFKWWNS VP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the</b>

## Product Details

---

**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

---

Target: PADI1

---

Alternative Name: Padi1 ([PADI1 Products](#))

---

Background: Protein-arginine deiminase type-1 (EC 3.5.3.15) (Peptidylarginine deiminase I) (Protein-arginine deiminase type I),FUNCTION: Catalyzes the deimination of arginine residues of proteins. {ECO:0000250|UniProtKB:Q9ULC6}.

---

Molecular Weight: 73.8 kDa

---

UniProt: [Q9Z185](#)

---

## Application Details

---

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.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

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

---

Handling Advice: Avoid repeated freeze-thaw cycles.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C.

---

Expiry Date: 12 months

---