

Datasheet for ABIN7550547

PADI2 Protein (AA 1-665) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PADI2
Protein Characteristics:	AA 1-665
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PADI2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PADI2 Protein expressed in mammalian cells.
Sequence:	<p>MLRERTVRLQ YGSRVEAVYV LGTYLWTDVY SAAPAGAQTF SLKHSEHVWV EVVRDGEAEE</p> <p>VATNGKQRWL LSPSTTLRVT MSQASTEASS DKVTVNYYDE EGSIPIDQAG LFLTAIEISL</p> <p>DVDADRDGVV EKNPNKKASW TWGPEGQGA ILLVNC DRETP WLPKEDCRDE KVYSKEDLKD</p> <p>MSQMILRTKG PDRLPAGYEI VLYISMSDSD KVGVFYVENP FFGQRYIHIL GRRKLYHVVK</p> <p>YTGGS AELLF FVEGLCFPDE GFSGLVSIHV SLLEYMAQDI PLTPIFTDTV IFRIAPWIMT</p> <p>PNILPPVSVF VCCMKDNYLF LKEVKNLVEK TNCELKVC FQ YLNRGDRWIQ DEIEFGYIEA</p> <p>PHKGFPVVDL SPRDGNL KDF PVKELLGPDF GYVTREPLFE SVTSLDSFGN LEVSPPVTVN</p> <p>GKTYPLGRIL IGSSFPLSGG RRMTKVVRDF LKAQQVQAPV ELYSDWLTVG HVDEFMSFVP</p> <p>IPGTTKFLLL MASTSACYKL FREKQKDGHG EAIMFKGLGG MSSKRITINK ILSNESLVQE</p> <p>NLYFQRCLDW NRDILKKELG LTEQDIIDLP ALFKMDE DHR ARAFFPNMVN MIVLDKDLGI</p> <p>PKPFGPQVEE ECCLEMHVRG LLEPLGLECT FIDDISAYHK FLGEVHCGTN VRRKPFTFKW</p> <p>WHMVP Sequence without tag. The proposed Purification-Tag is based on experiences with</p>

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

Target: PADI2

Alternative Name: PADI2 ([PADI2 Products](#))

Background: Protein-arginine deiminase type-2 (EC 3.5.3.15) (PAD-H19) (Peptidylarginine deiminase II) (Protein-arginine deiminase type II),FUNCTION: Catalyzes the deimination of arginine residues of proteins. {ECO:0000269|PubMed:12392711, ECO:0000269|PubMed:25621824, ECO:0000269|PubMed:30044909}.

Molecular Weight: 75.6 kDa

UniProt: [Q9Y2J8](#)

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