

Recombinant Human PADI1 Protein (1-663 aa), His-tagged

Cat. No. PADI1-1727H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PADI1 Protein (1-663 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-663 aa
Description	Catalyzes the deimination of arginine residues of proteins.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	76.7 kDa
AA Sequence	<p>MAPKRVVQLSLKMPHAVA CVVGVEAHVDIHS DVPKGANSFRVSGSSGVEVFMVYN RTRVKEPIGKARWPLD TDADMVVS VGTASKELKDFKVRVSYFG EQEDQALGRSVLY LTGVDISLEVD TGR TGKVKRSQGD KKTWRWGPEGYGA ILLVNC DRDNH RSAEPDLT HSWLMSLADLQDMSPMLL SCNGPDKLFD SHKLV LNVPFSD SKRVRVFCARGGNSL SDYKQVLGPQCLSYEVERQPGEQEIKFYVEGLTFPDADFLGLVSLSVSLVDPGTLPE VTLFTDTVGFRMAPWIMTPNTQPPEELYVCRVMDTHGSNEKFLEDMSYLT LKANCK LTICPQVENRNRDWIQDEMEFGYIEAPHSFPVVFDS PRNRGLKDFPYKRILGPDFG YVTREIPLPGPSSLDSFGNLDVSPPVTVGGTEYPLGRILIGSSFPKSGGRQMARAVR NFLKAQQVQAPVELYSDWLSVGHVDEFLTFVPTSDQKGFRLLLASPSACLKLFQEK</p>

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KEEGYGEEAAQFDGLKHQAKRSINEMLADRHLQRDNLHAQKCIDWNRNVLKRELGLA
 ESDIVDIPQLFFLKNFYAEAFFPDMVMNMVVLGKYLGIKPYGPIINGRCCLEEKVQSL
 EPLGLHCIFIDYLSYHELQGEIHCGTNVRKPPFPKWWNMVP

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [PADI1 peptidyl arginine deiminase, type I \[Homo sapiens \]](#)

Official Symbol [PADI1](#)

Synonyms PADI1; hPAD colony 10; HPAD10; PAD1; PDI; PDI1; hPAD-colony 10;

Gene ID [29943](#)

mRNA Refseq [NM_013358](#)

Protein Refseq [NP_037490](#)

MIM [607934](#)

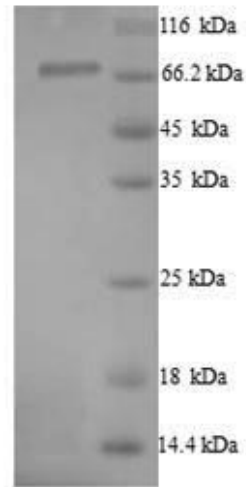
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UniProt ID

Q9ULC6



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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