

Recombinant Human PADI2 Protein (1-665 aa), His-SUMO-tagged

Cat. No. PADI2-1164H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human PADI2 Protein (1-665 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.

Species Human

Source E.coli

ProteinLength 1-665 aa

Description Catalyzes the deimination of arginine residues of proteins.

Form Tris-based buffer,50% glycerol

Molecular Mass 91.6 kDa

AA Sequence

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MLRERTVRLQYGSRVEAVYVLGTYLWTDVYSAAPAGAQTFLSKHSEHVWVEVVRD
GEAEVATNGKQRWLLSPSTTLRVMTMSQASTEASSDKVTVNYYDEEGSIPIDQAGLF
LTAIEISLDVDADRDRDGVVEKNNPKKASWTWGPEGQGAILLVNCRETPWLPKEDCR
DEKVYSKEDLKDMSQMILRTKGPDRLPAGYEIVLYISMSDSKVGVFYVENPFFGQR
YIHILGRRKLYHVVKYTGGSAELLFFVEGLCFPDEGFSGLVSIHVSLLEYMAQDIPLTP
IFTDTVIFRIAPWIMTPNILPPVSFVCCMKDNYLFLKEVKNLVEKTNCELKVCFQYLN
RGDRWIQDEIEFGYIEAPHKGFVVLDSPRDGNLKDFFVKELGPDFGYVTREPLFE
SVTSLDSFGNLEVSPVTVNGKTYPLGRILIGSSFPLSGRRMTKVVRDFLKAQQVQ
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APVELYSDWLTVGHVDEFMSFVPIPGTKKFLLLMASTSACYKLFREKQKDGHGGEAIM
 FKGLGGMSSKRITINKILSNESLVQENLYFQRCLDWNRDILKKELGLTEQDIIDLPALF
 KMDEDHRARAFFPNMVMIVLDKDLGIPKPFQVVEEECCLEMHVRLLEPLGLEC
 TFIDDISAYHKFLGEVHCGTNRKRPFTFKWWHMVP

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. Please refer to it for detailed information.

GENE INFORMATION

Gene Name PADI2 peptidyl arginine deiminase, type II [Homo sapiens]

Official Symbol PADI2

Synonyms PADI2; KIAA0994; PDI2; PAD2; PAD-H19;

Gene ID 11240

mRNA Refseq NM_007365

Protein Refseq NP_031391

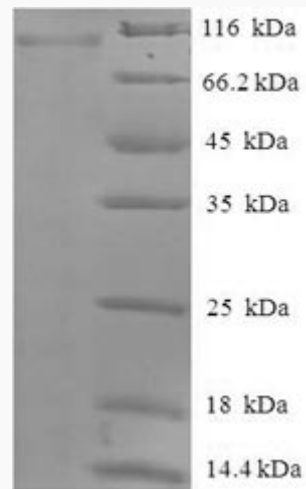
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MIM 607935

UniProt ID Q9Y2J8



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

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