

Recombinant Human PADI3 Protein Product Manual

1. Product Basic Information

Product No.: REP07721

Protein Name: Peptidyl Arginine Deiminase, Type Iii (PADI3)

Aliases: PAD3; PDI3; UHS1; peptidyl arginine deiminase, type III

UniProt ID: Q9ULW8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9ULW8/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length (1-664aa)

Molecular Weight: 76.1 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (1-664aa)

MSLQRIVRVSLEHPTSAVAVCVAGVETLVLDIYGSVPEGTEMFEVYGTPGVDIYISPNME
RGRERADTRRWRFDATLEIIVVMNSPSNDLNDSHVQISYHSSHEPLPLAYAVLYLTC
VDISLDCDLNCEGRQDRNFVDKRQVWVGPSGYGGILLVNCRRDDPSCDVQDNCD
QHVHCLQDLEDMSVMVLRTQGPAALFDDHKLVLHTSSYDAKRAQVFHICGPEDVC
EAYRHVLGQDKVSYEVPRLHGDEERFFVEGLSFPDAGFTGLISFHVTLDDSNEDF
SASPIFTDTVVFRVAPWIMTPSTLPPLEVYVCRVRNNTCFVDAVAELARKAGCKLTI
CPQAENRNRDWIQDEMELGYVQAPHKTLPVVFDSPRNGELQDFPYKRILGPDFGY
VTREPRDRSVSGLDSFGNLEVSPVWANGKEYPLGRILIGGNLPGSSGRRVTVQVVR
DFLHAQKVQPPVELFVDWLAUGHVDEFLSFVPAPDGKGFMRLLASPGACFKLFQE
KQKCGHGRALLFQGVVDDEQVKTISINQVLSNKDLINYNKQVQSCIDWNREVLKREL
GLAECIDIIPQLFKTERKKATAFFPDLVNMLVLGKHLGIPKPF GPIINGCCCLEEKVR
SLLEPLGLHCTFIDDFTPYHMLHGEVHCGTNCVCRKPF SFKWVNMP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PADI3 full length protein (1-664aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PADI3, also known as PAD3 or PDI3 or UHS1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.