

Recombinant Human PADI1 Protein Product Manual

1. Product Basic Information

Product No.: REP07720

Protein Name: Hpad-Colony 10 (PADI1)

Aliases: PDI; PAD1; PDI1; HPAD10; hPAD-colony 10

UniProt ID: Q9ULC6

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9ULC6/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-663aa)

Molecular Weight: 78.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-663aa)

MAPKRVVQLSLKMPTHAVCVVGVEAHVDIHSVDPKGANSEFRVSGSSGVEVFMVYN
RTRVKEPIGKARWPLDTDADMVSVSGTASKEKDFKVRVSYFGEQEDQALGRSVL
YLTGVDISLEVDTGRTGKVKRSQGDKKTWRWGPEGYGAILLVNCDRDNHRSAPD
LTHSWLMSLADLQDMSPMLLSCNGPDKLFDHSHKLVLPVSDSKRVRVFCARGGN
SLSDYKQVLGQPCLSYEVERQPGEQEIKFYVEGLTFPDADFLGLVSLVSLVDPGTL
PEVTLFTDTVGFRMAPWIMTPNTQPPEELYVCRVMDTHGSNEKFLEDMSYLTKAN
CKLTICPQVENRNRDWIQDEMEFGYIEAPHKSFPVVFDSRNRGLKDFPYKRILGPD
FGYVTREIPLPGPSSLDSFGNLDVSPVTVGGTEYPLGRILIGSSFPKSGGRQMARA
VRNFLKAQQVQAPVELYSDWLSVGHVDEFLTFFVPTSDQKGFRLLLASPSACLKLFQ
EKKEEGYGEEAQFDGLKHQAKRSINEMLADRHLQRDNLHAQKCIDWNRNVLKREL
GLAESDIVDIPQLFFLKNFYAEAFFPDMVNMVVLGKYLGIKPYGPIINGRCCLEEKV
QSLLEPLGLHCIFIDDYLSYHELQGEIHCGTNVRRKPFPPKWWNMVP

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 PADI1 full length protein (1-663aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PADI1, also known as PDI or PAD1 or PDI1, 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.