

## Recombinant Human PADI4 protein(Met 1 - Pro 663), His-tagged

**Cat. No.** PADI4-294H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PADI4 protein(Met 1 - Pro 663)(Q9UM07-1), fused with C-terminal His tag, was expressed in Insect cells.                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                       |
| <b>Source</b>           | Insect cells                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Met 1 - Pro 663                                                                                                                                                                                             |
| <b>Form</b>             | Supplied as 0.2 µm filtered solution in 20 mM Tris, 200 mM NaCl, 1 mM EDTA, 1 mM DTT, pH8.0 with glycerol as protectant.                                                                                    |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 76.0 kDa. The protein migrates as 70-85 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                  |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                             |
| <b>Storage</b>          | For long term storage, the product should be stored at lyophilized state at -20°C or lower.<br>Please avoid repeated freeze-thaw cycles.<br>This product is stable after storage at:                        |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

-20°C to -70°C for 12 months in lyophilized state;  
-70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [PADI4 peptidyl arginine deiminase, type IV \[ Homo sapiens \]](#)

**Official Symbol** [PADI4](#)

**Synonyms**

PADI4; peptidyl arginine deiminase, type IV; PADI5, peptidyl arginine deiminase, type V; protein-arginine deiminase type-4; PAD; PDI4; PDI5; HL-60 PAD; PADI-H protein; protein-arginine deiminase type IV; peptidyl arginine deiminase, type V; PAD4; PADI5;

**Gene ID** [23569](#)

**mRNA Refseq** [NM\\_012387](#)

**Protein Refseq** [NP\\_036519](#)

**MIM** [605347](#)

**UniProt ID** [Q9UM07](#)

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