

## Recombinant Human PADI6 Protein, His-tagged

PADI6-314H Human

Lot. No. (See product label)

### Specification

**Product Overview** Recombinant Human PADI6(Ser393~Pro694) fused with His tag at N-terminal was expressed in E. coli.

**Description** This gene encodes a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific expression patterns. This protein may play a role in cytoskeletal reorganization in the egg and in early embryo development.

**Source** E. coli

**Species** Human

**Tag** His

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Molecular Mass** 37.9kDa

**Protein length** Ser393~Pro694

**Endotoxin** <1.0EU per 1µg (determined by the LAL method)

**Purity** >99%

**Applications** Positive Control; Immunogen; SDS-PAGE; WB.  
If bio-activity of the protein is needed, please check active protein.

**Stability** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in PBS or others.

### Gene Information

**Gene Name** [PADI6 peptidyl arginine deiminase 6 \[ Homo sapiens \]](#)

**Official Symbol** [PADI6](#)

**Synonyms** PADI6

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<b>Gene ID</b>	<a href="#">353238</a>
<b>mRNA Refseq</b>	<a href="#">NM_207421</a>
<b>Protein Refseq</b>	<a href="#">NP_997304</a>
<b>MIM</b>	<a href="#">610363</a>
<b>UniProt ID</b>	<a href="#">Q6TGC4</a>

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