

Recombinant Human PADI3 Protein, His-tagged

Cat. No. PADI3-312H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PADI3(Met1~Pro300) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Pro300
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. The type III enzyme modulates hair structural proteins, such as filaggrin in the hair follicle and trichohyalin in the inner root sheath, during hair follicle formation. Together with the type I enzyme, this enzyme may also play a role in terminal differentiation of the epidermis. This gene exists in a cluster with four other paralogous genes.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	37.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%

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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	PADI3 peptidyl arginine deiminase, type III [Homo sapiens]
Official Symbol	PADI3
Synonyms	PADI3; peptidyl arginine deiminase, type III; protein-arginine deiminase type-3; PDI3; peptidylarginine deiminase III; protein-arginine deiminase type III; PAD3; MGC126307; MGC126308;
Gene ID	51702
mRNA Refseq	NM_016233
Protein Refseq	NP_057317
MIM	606755

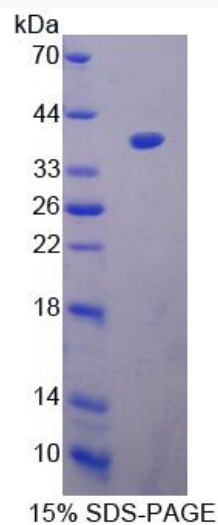
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UniProt ID

Q9ULW8



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