

PAD3 recombinant protein

PAD3, Active

CATALOG #
AAA73813

HOST
Sf9 insect cells

PRODUCT SYNONYMS

PAD3; Active; MGC126307; MGC126308; PADI3; PDI3; PAD3 recombinant protein

PRODUCT SPECIFICATIONS

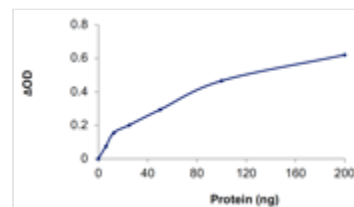
Host	Sf9 insect cells
Form/Format	50mM Tris-HCl, pH7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PAD3 recombinant protein	PAD3 is 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. PAD3 modulates hair structural proteins, such as filaggrin in the hair follicle and trichohyalin in the inner root sheath, during hair follicle formation. It converts arginine to citrulline in filaggrin at a faster rate than it does in trichohyalin (1). Together with the type I enzyme (PAD1), PAD3 play a role in terminal differentiation of the epidermis.
Product Categories/Family for PAD3 recombinant protein	Arginine Deiminase and Proteins ; Inflammation
References	1. Kanno, T. et.al : Human peptidylarginine deiminase type III: molecular cloning and nucleotide sequence of the cDNA, properties of the recombinant enzyme, and immunohistochemical localization in human skin. J. Invest. Derm. 115: 813-823, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_016233
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pad3-recombinant-protein-sf9-insect-cells/73813>