

PAD6 recombinant protein

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CATALOG # AAA72908	HOST Sf9 insect cells	APPLICATIONS Western Blot
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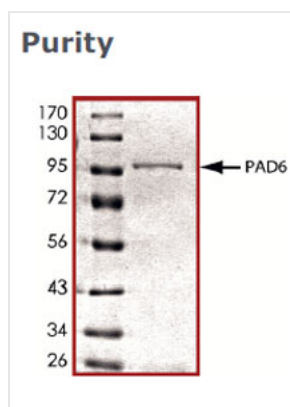
PRODUCT SYNONYMS

PAD6; PAD6 recombinant protein; PADI6

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25mM DTT, 0.01 PMSF, 25% glycerol.
Concentration	0.1ug/ul (varies by lot)
Sequence Length	2346
Applicable Applications for PAD6 recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	N-terminal GST
Source Note	Recombinant full-length human PAD6 was expressed by baculovirus in Sf9 insect cells
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°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. Stability: 1 year at -70°C from date of shipment.

IMAGES



Application Data

The purity of PAD6 was determined to be >95% by densitometry. Approx. MW 100 kDa .

ADDITIONAL INFORMATION

Related Product Information for PAD6 recombinant protein	Recombinant full-length human PAD6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_207421. Scientific Background PAD6 or PADI6 is a member of the peptidylarginine deiminases which convert arginine residues to citrulline residues in the presence of calcium ions. The PAD family members are thought to be involved in multiple sclerosis and rheumatoid arthritis pathophysiology, and they play a role in epidermis homeostasis 1). PAD6 is essential for formation of a novel oocyte-restricted fibrous structure, the cytoplasmic lattices CPLs). PAD6/CPL superstructure plays a key role in regulating microtubule-mediated organelle positioning and movement (2).
Product Categories/Family for PAD6 recombinant protein	Arginine Deiminases Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	117414157
NCBI GeneID	353238
NCBI Accession #	NP_997304.3
NCBI GenBank Nucleotide #	NM_207421
UniProt Accession #	Q6TGC4; Q330K5; Q70SX3
Molecular Weight	100 kDa
NCBI Official Full Name	Homo sapiens peptidyl arginine deiminase, type VI (PADI6), mRNA
NCBI Official Synonym Full Names	peptidyl arginine deiminase, type VI
NCBI Official Symbol	PADI6
NCBI Official Synonym Symbols	hPADVI
NCBI Protein Information	protein-arginine deiminase type-6; peptidylarginine deiminase type 6; peptidyl arginine deiminase-like protein
UniProt Protein Name	Protein-arginine deiminase type-6
UniProt Gene Name	PADI6
UniProt Synonym Gene Names	hPADVI
UniProt Entry Name	PADI6_HUMAN

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/padi6-recombinant-protein-sf9-insect-cells-wb-western-blot/72908>