

PAD2 recombinant protein

PAD2, Active

CATALOG #
AAA73812

HOST
Sf9 insect cells

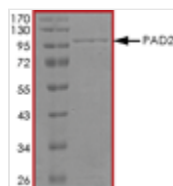
PRODUCT SYNONYMS

PAD2; Active; PADI2; mKIAA0994; PAD2 recombinant protein

PRODUCT SPECIFICATIONS

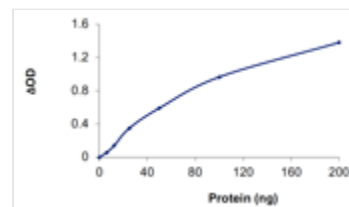
Host	Sf9 insect cells
Form/Format	50mM Tris-HCl, pH7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Tag	GST
Species	Mouse
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product 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 PAD2 recombinant protein	PAD2 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. PAD2 has peptidylarginine deiminase activity against synthetic substrates (1). PAD2 is mainly expressed in the central nervous system, skeletal muscle, spinal cord, cerebrum, cerebellum, and submaxillary gland (2). PAD2 play a role in the onset and progression of neurodegenerative human disorders, including Alzheimer disease and multiple sclerosis, and it has also been implicated in glaucoma pathogenesis.
Product Categories/Family for PAD2 recombinant protein	Arginine Deiminase and Proteins ; Inflammation
References	1. Ishigami, A. et.al: Human peptidylarginine deiminase type II: molecular cloning, gene organization, and expression in human skin. Arch. Biochem. Biophys. 407: 25-31, 2002. 2. Watanabe, K. et.al: Isolation and characterization of cDNA clones encoding rat skeletal muscle peptidylarginine deiminase. J. Biol. Chem. 264: 15255-15260, 1989.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29612679
NCBI GeneID	18600
UniProt Accession #	Q08642; Q75WD0
Molecular Weight	99 kDa
NCBI Official Full Name	Mus musculus peptidyl arginine deiminase, type II, mRNA
NCBI Official Synonym Full Names	peptidyl arginine deiminase, type II
NCBI Official Symbol	Padi2
NCBI Official Synonym Symbols	Pdi; Pdi2; mKIAA0994
NCBI Protein Information	protein-arginine deiminase type-2; PAD type II; peptidylarginine deiminase II; protein-arginine deiminase type II; peptidyl arginine deiminase, type II; PAD type II
UniProt Protein Name	Protein-arginine deiminase type-2
UniProt Gene Name	Padi2
UniProt Synonym Gene Names	Pdi; Pdi2
UniProt Entry Name	PADI2_MOUSE

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/padi2-recombinant-protein-sf9-insect-cells/73812>