

PAD1 recombinant protein

PAD1, Active

CATALOG #
AAA73814

HOST
Sf9 insect cells

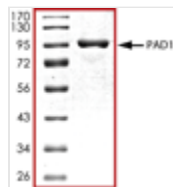
PRODUCT SYNONYMS

PAD1; Active; HPAD10; PADI1; PDI; PDI1; PAD1 recombinant protein

PRODUCT SPECIFICATIONS

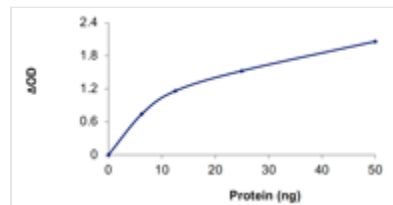
Host	Sf9 insect cells
Form/Format	50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product 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 PAD1 recombinant protein	PAD1 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. PAD1 is a component of the 26S proteasome, a multiprotein complex that degrades proteins targeted for destruction by the ubiquitin pathway. The overexpression of PAD1 induced a distinctive pattern of multidrug resistance in mammalian cells and moderate resistance to ultraviolet light (1). PAD1 is also responsible for substrate deubiquitination during proteasomal degradation (2).
Product Categories/Family for PAD1 recombinant protein	Arginine Deiminase and Proteins ; Inflammation
References	- Spataro, V. et.al: Resistance to diverse drugs and ultraviolet light conferred by overexpression of a novel human 26 S proteasome subunit. J. Biol. Chem. 272: 30470-30475, 1997. - Yao, T. et.al: A cryptic protease couples deubiquitination and degradation by the proteasome. Nature 419: 403-407, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_013358
Molecular Weight	95kDa

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://www.aaabiotech.com/pad1-recombinant-protein-sf9/73814>