

Recombinant Human PADI6, GST-tagged

Cat. No. PADI6-1609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PAD6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full Length
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. This protein may play a role in cytoskeletal reorganization in the egg and in early embryo development.?
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~100 kDa
Purity	>95%
Applications	Western Blot

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Stability	1 yr at -70oC from date of shipment.
Storage	Store product at –70oC. 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.
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	PADI6?peptidyl arginine deiminase, type VI [?Homo sapiens?(human)]
Official Symbol	PADI6
Synonyms	PADI6; hPADVI; peptidyl arginine deiminase, type VI; protein-arginine deiminase type-6; peptidylarginine deiminase type 6; peptidyl arginine deiminase-like protein; NP_997304.3; EC 3.5.3.15
Gene ID	353238
mRNA Refseq	NM_207421
Protein Refseq	NP_997304
MIM	610363
UniProt ID	Q6TGC4
Chromosome Location	1p36.13
Pathway	protein citrullination

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Function

calcium ion binding; protein-arginine deiminase activity

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