

Recombinant Human PADI6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PADI6-6513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PADI6 MS Standard C13 and N15-labeled recombinant protein (NP_997304) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	77.5 kDa
AA Sequence	MVSVEGRAMSFQSIHLSLDSPVHAVCVLGTEICLDLSGCAPQKCQCFTIHGSGRVLI DVANTVISEKEDATIWWPLSDPTYATVKMTSPSPSVDADKVSVTYYGPNEDAPVGT AVLYLTGIEVSLEVDIYRNGQVEMSSDKQAKKKWIWGPSGWGAILLVNCPADVGQ QLEDKTKKKVIFSEEITNLSQMTLNVQGPSCILKKYRLVLHTSKEESKKARVYWPQKD NSSTFELVLGPDQHAYTLALLGNHLKETFYVEAIAFP SAEFSG LISYSVSLVEESQDP SIPETVLYKDTVVRVAPCVFIPCTQVPLEVYLCRELQLQGFVDTVTKLSEKSNSQVA SVYEDPNRLGRWLQDEMAFCYTQAPHKTTSLIDTPQAADLDEFPMKYSLSPGIGY

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MIQDTEDEHKVASMDSIGNLMVSPPVKVQGKEYPLGRVLIGSSFYPSAEGRAMSKTL
 RDLFLYAQQVQAPVELYSDWLMTGHVDEFMCFIPTDDKNEGKKGFLLLLASPSACYK
 LFREKQKEGYGDALLFDELRADQLLSNGREAKTIDQLLADESLLKKQNEYVEKCIHLN
 RDILKTELGLVEQDIIEIPQLFCLEKLTNIPSDQQPKRSFARPYFPDLLRMIVMGKNLGI
 PKPFGPQIKGTCCLEEKICCLLEPLGFKCTFINDFDCYLTEVGDICACANIRRVPFQAFK
 WWKMVPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PADI6 peptidylarginine deiminase type 6 [Homo sapiens (human)]
Official Symbol	PADI6
Synonyms	PADI6; peptidylarginine deiminase type 6;
Gene ID	353238
mRNA Refseq	NM_207421
Protein Refseq	NP_997304

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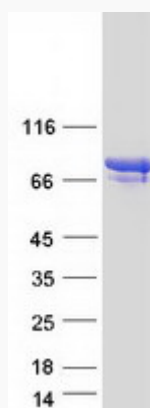
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MIM 610363

UniProt ID Q6TGC4

SDS-PAGE



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