

Product datasheet for **TP318705L**

PADI6 (NM_207421) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human peptidyl arginine deiminase, type VI (PADI6), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC218705 representing NM_207421 Red =Cloning site Green =Tags(s) |

MVSVEGRAMSFQSIHLSLDSPVHAVCVLGTICLDLSGCAPQKCQCFTIHGSGRVLIDVANTVISEKED
ATIWWPLSDPTYATVKMTSPSPSVADADKVSVTYYGPNEDAPVGTAVLYLTGIEVSLEVDIYRNGQVEMSS
DKQAKKKWIWGPSGWGAILLVNCPADVGQQLQEDKKTKKVIFSEEITNLSQMTLNVQGPSCILKKYRLVL
HTSKEESKKARVYWPQKDNSSTFELVLGPDQHAYTLALLGNHLKETFYVEAIAFPSAEFSGLISYSVSLV
EESQDPSIPETVLYKDTVFRVAPCVFIPCTQVPLEVYLCRELQLQGFDVTVTKLSEKSNQVASVYEDP
NRLGRWLQDEMAFCYTQAPHKTTSLILDTPQAADLDEFPMKYSLSPGIGYMIQDTEDEHKVASMDSIGNLM
VSPPVKVQGKEYPLGRVLIGSSFYPSAEGRAMSKTLRDFLYAQQVQAPVELYSDWLMTGHVDEFMCFIPT
DDKNEGKKGFLLLASPSACYKLFREKQKEGYGDALLFDELADQLLSNGREAKTIDQLLADESLLKKQNE
YVEKCIHLNRDILKTELGLVEQDIIIPQLFCLEKLTNIPSDQQPKRSFARPYFPDLLRMIVMGKNLIGIP
KPFQIQIGTCCLEEKICLLEPLGFKCTFINDFCYLTEVGDICACANIRRVPFQAFKWWKMPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

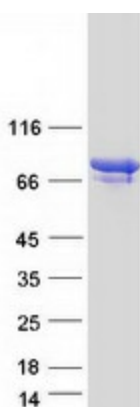
| | |
|-----------------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 77.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_997304 |
| Locus ID: | 353238 |
| UniProt ID: | Q6TGC4 |
| RefSeq Size: | 2397 |
| Cytogenetics: | 1p36.13 |
| RefSeq ORF: | 2082 |
| Synonyms: | hPADVI; PREMBL2 |
| Summary: | 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. [provided by RefSeq, Sep 2012] |

Product images:



Coomassie blue staining of purified PADI6 protein (Cat# [TP318705]). The protein was produced from HEK293T cells transfected with PADI6 cDNA clone (Cat# [RC218705]) using MegaTran 2.0 (Cat# [TT210002]).