

## Product datasheet for TP318705

### PADI6 (NM\_207421) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidyl arginine deiminase, type VI (PADI6), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218705 representing NM_207421 Red=Cloning site Green=Tags(s)

MVSVEGRAMSFQSIHLSLDSPVHAVCVLGTICLDLSGCAPQKCQCFTIHGSGRVLIDVANTVISEKED  
ATIWWPLSDPTYATVKMTSPSPSVADADKVSVTYYGPNEDAPVGTAVLYLTGIEVSLEVDIYRNGQVEMSS  
DKQAKKKWIWGPSGWGAILLVNCPADVGGQLEDKKTKKVIFSEEITNLSQMTLNVQGPSCILKKYRLVL  
HTSKEESKKARVYWPQKDNSSTFELVLGPDQHAYTLALLGNHLKETFYVEAIAFPSAEFSGLISYSVSLV  
EESQDPSIPETVLYKDTVFRVAPCVFIPCTQVPLEVYLCRELQLQGFDVTVTKLSEKSNQVASVYEDP  
NRLGRWLQDEMAFCYTQAPHKTTSLILDTPQAADLDEFPMKYSLSPGIGYMIQDTEDEHKVASMDSIGNLM  
VSPPVKVQGKEYPLGRVLIGSSFYPSAEGRAMSKTLRDFLYAQQVQAPVELYSDWLMTGHVDEFMCFIPT  
DDKNEGKKGFLLLASPSACYKLFREKQKEGYGDALLFDELADQLLSNGREAKTIDQLLADESLLKKQNE  
YVEKCIHLNRDILKTELGLVEQDIIIEIPQLFCLEKLTNIPSDQQPKRSFARPYFPDLLRMIVMGKNLIGIP  
KPFQIQIGTCCLEEKICLLEPLGFKCTFINDFCYLTEVGDICACANIRRVPFQAFKWWKMPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

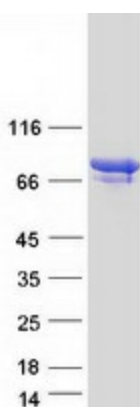
Tag:	C-Myc/DDK
Predicted MW:	77.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_997304</a>
<b>Locus ID:</b>	353238
<b>UniProt ID:</b>	<a href="#">Q6TGC4</a>
<b>RefSeq Size:</b>	2397
<b>Cytogenetics:</b>	1p36.13
<b>RefSeq ORF:</b>	2082
<b>Synonyms:</b>	hPADVI; PREMBL2
<b>Summary:</b>	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]).