

## Product datasheet for PH318705

### PADI6 (NM\_207421) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PADI6 MS Standard C13 and N15-labeled recombinant protein (NP_997304)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218705
Predicted MW:	77.5 kDa
Protein Sequence:	>RC218705 representing NM_207421 Red=Cloning site Green=Tags(s)

MYSVEGRAMSFQSIHLSLDSPVHAVCVLGTICLDLSGCAPQKCQCFTIHGSGRVLIDVANTVISEKED  
 ATIWWPLSDPTYATVKMTSPSPSVADADKVSVTYYGNEDAPVGTAVLYLTGIEVSLEVDIYRNGQVEMSS  
 DKQAKKKWIWGPSGWGAILLVNCPADVGQLEDKTKKIVIFSEEITNLSQMTLNVQGPSCILKKYRLVL  
 HTSKEESKKARVYWPQKDNSSTFELVLPDQAHAYTLALLGNHLKETFYVEAIAFPFAEFSGLISYSVSLV  
 EESQDPSIPETVLYKDTVFRVAPCVFIPCTQVPLEVYLCRELQLQGFVDTVTKLSEKSNQVASYEDP  
 NRLGRWLQDEMAFCYTQAPHKTTSLILDTPQAADLDEFPMKYSLSPGIGYMIQDTEHVKVMSDSIGNLM  
 VSPPVKVQGKEYPLGRVLIGSSFYPSAEGRAMSKTLRDFLYAQVQAPVELYSDWLMTGHVDEFMCFIPT  
 DDKNEGKKGFLLLLSPSACYKLFREKQKEGYGDALLFDELADQLL SNGREAKTIDQLLADESLKKQNE  
 YVEKCIHLNRDILKTELGLVEQDIEIEPQLFCLEKLTNIPSDQQPKRSFARPYFPDLLRMIVMGKNLGIP  
 KPFGPQIKGTCCLEEKICCLLEPLGFKCTFINDFDCYLTEVGDICACANIRRVPFPAFKWWMKMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_997304</a>
RefSeq Size:	2397



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RefSeq ORF: 2082

Synonyms: hPADVI; PREMBL2

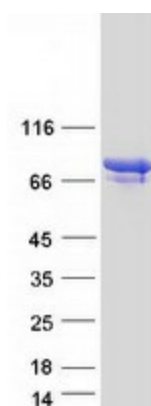
Locus ID: 353238

UniProt ID: [Q6TGC4](#)

Cytogenetics: 1p36.13

**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]).