

## Product datasheet for PH302083

### uPA (PLAU) (NM\_002658) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PLAU MS Standard C13 and N15-labeled recombinant protein (NP_002649)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202083
Predicted MW:	48.5 kDa
Protein Sequence:	>RC202083 protein sequence Red=Cloning site Green=Tags(s)

MRALLARLLLCLVYVSDSKGSNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKFGGQHCEIDKSKTC  
YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLK  
PLVQECMVHDCADGKKPSSPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCG  
GSLISPCWVISATHCFIDYPKKEDIIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLK  
IRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHY  
YGSEVTTKMLCAADPQWKTDSCQGDSSGGLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIR  
SHTKEENGLAL

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:	<u><a href="#">NP_002649</a></u>
RefSeq Size:	2395
RefSeq ORF:	1293
Synonyms:	ATF; BDPLT5; QPD; u-PA; UPA; URK



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Locus ID: 5328

UniProt ID: [P00749](#), [Q59GZ8](#), [A0A024QZM9](#)

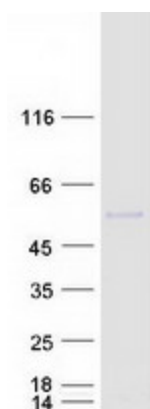
Cytogenetics: 10q22.2

**Summary:** This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type plasminogen activator (HMW-uPA). HMW-uPA can be further processed into the catalytically active low molecular weight urokinase-type plasminogen activator (LMW-uPA). This low molecular weight form does not bind to the urokinase-type plasminogen activator receptor. Mutations in this gene may be associated with Quebec platelet disorder and late-onset Alzheimer's disease. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Protease

**Protein Pathways:** Complement and coagulation cascades

### Product images:



Coomassie blue staining of purified PLAU protein (Cat# [TP302083]). The protein was produced from HEK293T cells transfected with PLAU cDNA clone (Cat# [RC202083]) using MegaTran 2.0 (Cat# [TT210002]).