

## Product datasheet for **TP302083**

### uPA (PLAU) (NM\_002658) Human Recombinant Protein

#### Product data:

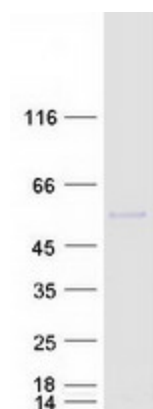
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human plasminogen activator, urokinase (PLAU), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202083 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MRALLARLLLCVLVSDSKGSNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT C YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQV GLK PLVQECMVHDCADGKKPSSPPEELKFQCGQKTLRPRFKIIGGFTTIENQPWFAAIYRRHRGGSVTYVCG GSLISPCWWISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLK IRSKEGRCAPSRITQICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHY YGSEVTTKMLCAADPQWKTDSCQGDGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWI R SHTKEENGLAL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	46.3 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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<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>	<u>NP_002649</u>
<b>Locus ID:</b>	5328
<b>UniProt ID:</b>	<u>P00749</u>
<b>RefSeq Size:</b>	2395
<b>Cytogenetics:</b>	10q22.2
<b>RefSeq ORF:</b>	1293
<b>Synonyms:</b>	ATF; BDPLT5; QPD; u-PA; UPA; URK
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Protease
<b>Protein Pathways:</b>	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]).