

Product datasheet for **TP302083M**

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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202083 protein sequence Red =Cloning site Green =Tags(s) MRALLARLLLCVLWSDSKGSNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPPKFGGQHCEIDKSKTC YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGKHNCRNPDNRRRPWCYVQVGLK PLVQECMVHDCADGKKPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCG GSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLK IRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTWVKLISHRECQPHY YGSEVTTKMLCAADPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIR SHTKEENGLAL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_002649](#)

Locus ID: 5328

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

RefSeq Size: 2395

Cytogenetics: 10q22.2

RefSeq ORF: 1293

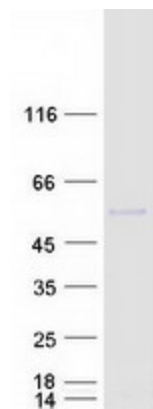
Synonyms: ATF; BDPLT5; QPD; u-PA; UPA; URK

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]).