

Product datasheet

Recombinant Human uPA protein ab167714

[2 References](#) [2 Images](#)

Description

Product name	Recombinant Human uPA protein	
Purity	> 92 % SDS-PAGE. Less than 1.0 EU per µg by the LAL method. Purified by Immobilized metal affinity chromatography.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	<u>P00749</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFG GQHCEIDKSKTC YEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRS DALQLGLGKHN YCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKP SSPPEELKFQCGQ KTLRPRFKIIGGEFTTIENQPWF AAIYRRHRGGSVTYVCGGS LISPCWVI SATHCFIDYPPKEDYVYLGRSRLNSNTQGEMKFEVENLIL HKDYSADTL AHHNDIALLKIRSKEGRCAQPSRTIQ TICLPSMYNDPQFGT SCEITGFGK ENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKML CAADPQWKTD SCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGV YTRVSHFLPWIR SHTKEENGLAL</p>	
Predicted molecular weight	45 kDa including tags	
Amino acids	21 to 431	
Tags	His tag C-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab167714** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized
Additional notes	Please note that the protein is not activated by protease digestion. In vitro activation is generally recommended for higher activity.

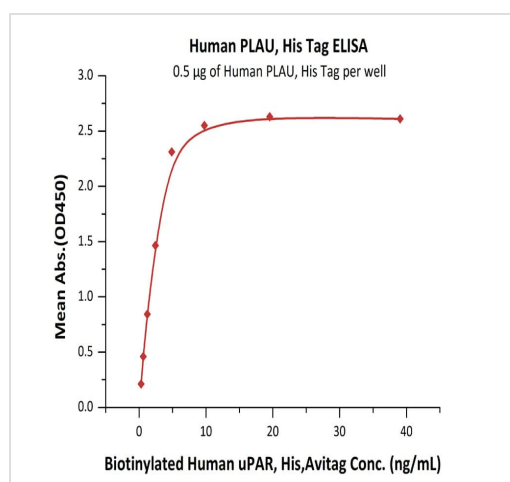
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 99% PBS, 0.41% Sodium acetate Normally Trehalose are added as protectants before lyophilization.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

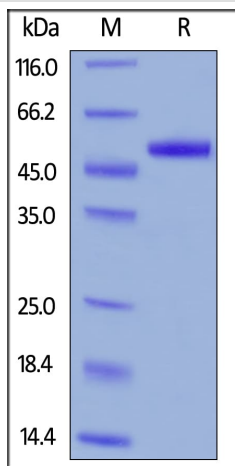
Relevance	Urokinase type plasminogen activator (uPA) is secreted from cells as a precursor which is activated to the two chain form consisting of an A and B chain. The active high MW form is further processed by removal of an amino terminal fragment to an active low MW form (35 kDa). uPA is a serine protease that activates plasminogen to plasmin. High levels of uPA and plasminogen activator inhibitor type 1 (PAI 1) in breast cancer tissue extracts have been associated with rapid disease progression. The malignant phenotype of prostatic tumor cells correlates with the expression of both uPA and its cell membrane receptor (uPAR).
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Images



Immobilized ab167714 at 5 µg/mL (100 µL/well) can bind Biotinylated Human uPAR, His, Avitag with a linear range of 0.3-2 ng/mL

Functional Studies - Recombinant human uPA protein (ab167714)



SDS-PAGE of reduced ab167714 under reducing (R) condition, stained overnight with Coomassie Blue.

SDS-PAGE - Recombinant human uPA protein (ab167714)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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