

Recombinant mouse Urokinase protein ab92641

1 References 2 Images

Description

Product name	Recombinant mouse Urokinase protein	
Biological activity	The uPA activity of this product was tested using urokinase chromogenic substrate and standardized to the WHO 2nd International Standard for Human High Molecular Weight Urokinase, NIBSC 11/184. If you need the specific activity value please contact us with the lot# you require the data for.	
Purity	> 98 % SDS-PAGE.	
Expression system	Insect cells	
Accession	<u>P06869</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	GSVLGAPDES NCGCQNGGVC VSYKYFSRIR RCSCP RK FQG EHCEIDASKT CYHGNGDSYR GKANTDTKGR PCLAWNAPAV LQKPYN AHRP DAISLGLGKH NYCRNPDNQK RPWCYVQIGL RQFVQECMVH DCSLSKKPSS SVDQQGFQCG QKALRPRFKI VGGEFTEVEN QPWFAAIYQK NKGGSPPSFK CGGSLISPCW VASAAHCFIQ LPKKENYVVY LGQSKESSYN PGEMKFEVEQ LILHEYRED SLAYHNDIAL LKIRTSTGQC AQPSRSIQTI CLPPRFTDAP FGSDCEITGF GKESESDYLY PKNLKMSVVK LVSHEQCMQP HYYGSEINYK MLCAADPEWK TDCKGDSSG PLICNIEGRP TLSGVSWGR GCAEKNKPGV YTRVSHFLDW IQSHIGEEKG LAF	
Predicted molecular weight	44 kDa	
Amino acids	21 to 433	
Additional sequence information	(Gene ID: 18792) Full length mature protein, without the signal peptide.	

Specifications

Our **Abpromise guarantee** covers the use of **ab92641** in the following tested applications.

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

Applications	ELISA
	SDS-PAGE
	Functional Studies
Form	Liquid
Additional notes	Spectrophotometric Data:
	Ultraviolet Absorbance (280nm) = 0.9
	epsilon ^{0.1%} = 1.48
	<i>ab92641 demonstrates preferential binding to mouse uPAR over Human uPAR coated on an ELISA plate.</i>
	Produced using non-baculovirus insect cells.

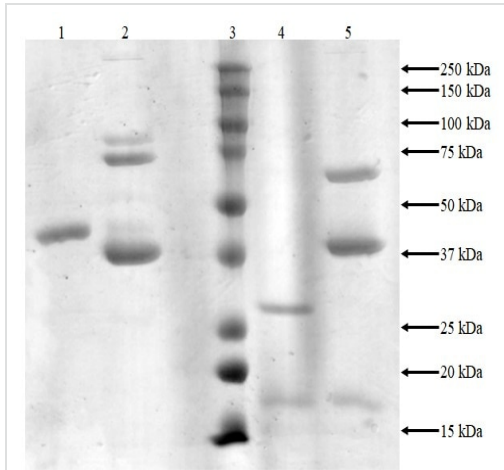
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
	pH: 5.00
	Constituents: 0.41% Sodium acetate, 0.0292% EDTA, 0.58% Sodium chloride
	This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function	Specifically cleave the zymogen plasminogen to form the active enzyme plasmin.
Tissue specificity	Expressed in the prostate gland and prostate cancers.
Sequence similarities	Belongs to the peptidase S1 family.
	Contains 1 EGF-like domain.
	Contains 1 kringle domain.
	Contains 1 peptidase S1 domain.
Post-translational modifications	Phosphorylation of Ser-158 and Ser-323 abolishes proadhesive ability but does not interfere with receptor binding.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant mouse Urokinase protein (ab92641)

SDS-PAGE analysis of mouse urokinase protein (ab92641) under reducing and non-reducing conditions in 12% SDS-PAGE. The urokinase protein is demonstrated to be active through the observed binding to Recombinant human PAI1 (mutated N150H + K154T + Q319L + M354I) protein (**ab92969**) (CPAI protein). CPAI is an inhibitor of urokinase, mutated to be more stable, and the two form a complex that migrates in the gel to a higher molecular weight.

The observed band at 44 kDa in lane 1 corresponds to mouse Urokinase protein under non-reducing conditions.

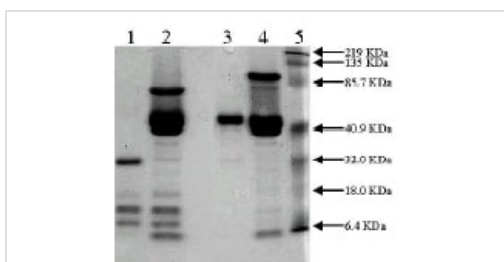
Lane 1: 3 µg mouse urokinase protein, non-reduced.

Lane 2: + CPAI, 10 µg, non-reduced.

Lane 3: Molecular Weight Markers

Lane 4: 3 µg mouse urokinase protein, reduced.

Lane 5: + CPAI, 10 µg, reduced.



SDS-PAGE - Recombinant mouse Urokinase protein (ab92641)

SDS-PAGE analysis of mouse urokinase protein (ab92641) under reducing and non-reducing conditions in 12% SDS-PAGE. The urokinase protein is demonstrated to be active through the observed binding to Recombinant human PAI1 (mutated N150H + K154T + Q319L + M354I) protein (**ab92969**) (CPAI protein). CPAI is an inhibitor of urokinase, mutated to be more stable, and the two form a complex that migrates in the gel to a high molecular weight.

The observed band at 44 kDa in lane 3 corresponds to mouse Urokinase protein under non-reducing conditions.

Lane 1: 5 µg mouse urokinase protein, reduced.

Lane 2: + CPAI, 20 µg, reduced.

Lane 3: 5 µg mouse urokinase protein, non-reduced.

Lane 4: + CPAI, 20 µg, non-reduced.

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

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