

# Recombinant Dog Plasminogen Activator, Urokinase

**Cat. No.** PLAU-701D    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b>    | Recombinant Dog Plasminogen Activator, Urokinase is expressed in <i>Insect cell culture</i> . MW= 50,000 Da.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>             | Dog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>              | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>         | This gene encodes a serine protease involved in degradation of the extracellular matrix and possibly tumor cell migration and proliferation. A specific polymorphism in this gene may be associated with late-onset Alzheimer disease and also with decreased affinity for fibrin-binding. The protein encoded by this gene converts plasminogen to plasmin by specific cleavage of an Arg-Val bond in plasminogen. This gene's proprotein is cleaved at a Lys-Ile bond by plasmin to form a two-chain derivative in which a single disulfide bond connects the amino-terminal A-chain to the catalytically active, carboxy-terminal B-chain. |
| <b>Form</b>                | Frozen liquid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer</b>              | 0.05M Sodium Acetate; 0.1M NaCl; 1mM EDTA; pH 5.0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>       | 4.0 mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Aliquot</b>             | 1 x 0.1 mg.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Shipping Conditions</b> | Dry ice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| <b>Storage</b> | Store at -70°C. |
|----------------|-----------------|

## GENE INFORMATION

|                  |                                                                         |
|------------------|-------------------------------------------------------------------------|
| <b>Gene Name</b> | PLAU plasminogen activator, urokinase [ <i>Canis lupus familiaris</i> ] |
|------------------|-------------------------------------------------------------------------|

|                 |                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | PLAU; plasminogen activator, urokinase; plasminogen activator, urokinase; urokinase-type plasminogen activator |
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| <b>Gene ID</b> | 403426 |
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|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | XM_536394 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | XP_536394 |
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| <b>Chromosome Location</b> | 4 |
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|----------------|-------------------------------------|
| <b>Pathway</b> | Complement and coagulation cascades |
|----------------|-------------------------------------|

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