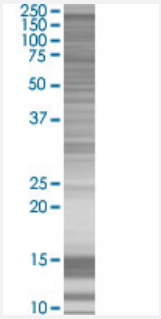
# A2M 293T Cell Transient Overexpression Lysate(Denatured)

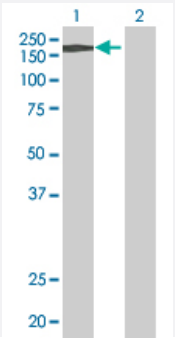
Catalog # H00000002-T01 Size 100 uL

## Applications




### SDS-PAGE Gel

A2M transfected lysate.




### Western Blot

Lane 1: A2M transfected lysate ( 163.3 KDa)
Lane 2: Non-transfected lysate.

## Specification

| | |
|---|---|
| **Transfected Cell Line** | 293T |
| **Plasmid** | pCMV-A2M full-length |
| **Host** | Human |
| **Theoretical MW (kDa)** | 163.3 |
| **Interspecies Antigen Sequence** | Mouse (72); Rat (73) |

| | |
|---|---|
| **Quality Control Testing** | Transient overexpression cell lysate was tested with Anti-A2M antibody (H00000002-B01) by Western Blots.<br>SDS-PAGE Gel<br>A2M transfected lysate.<br>Western Blot<br>Lane 1: A2M transfected lysate ( 163.3 KDa)<br>Lane 2: Non-transfected lysate. |
| **Storage Buffer** | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot

## Gene Info — A2M

| | |
|---|---|
| **Entrez GeneID** | 2 |
| **GeneBank Accession#** | BC040071.1 |
| **Protein Accession#** | - |
| **Gene Name** | A2M |
| **Gene Alias** | CPAMD5, DKFZp779B086, FWP007, S863-7 |
| **Gene Description** | alpha-2-macroglobulin |
| **Omim ID** | 103950 104300 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Alpha-2-macroglobulin is a protease inhibitor and cytokine transporter. It inhibits many proteases, including trypsin, thrombin and collagenase. A2M is implicated in Alzheimer disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. [provided by RefSeq |
| **Other Designations** | - |

## Pathway

- Complement and coagulation cascades

## Disease

- Alzheimer disease
- Amyloidosis
- Arthritis
- Cardiovascular Diseases
- Cognition Disorders
- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Diseases in Twins
- Edema
- Essential tremor
- Genetic Predisposition to Disease
- Hepatitis C
- Kidney Failure
- Liver Cirrhosis
- Macular Degeneration
- Memory Disorders
- Metabolic Syndrome X
- Multiple Sclerosis
- Myocardial Infarction
- Neoplasms
- Obesity

- Osteoporosis
- Parkinson disease