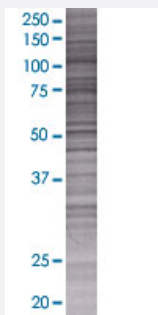


# C2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000717-T02

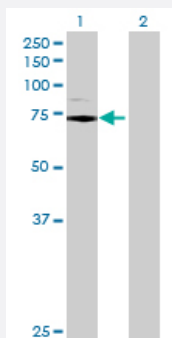
Size 100 uL

## Applications



### SDS-PAGE Gel

C2 transfected lysate.



### Western Blot

Lane 1: C2 transfected lysate ( 82.83 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-C2 full-length

**Host** Human

**Theoretical MW (kDa)** 82.83

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-C2 antibody ([H00000717-B02](#)) by Western Blots.  
SDS-PAGE Gel  
C2 transfected lysate.  
Western Blot  
Lane 1: C2 transfected lysate ( 82.83 KDa)  
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 — C2

|                     |                               |
|---------------------|-------------------------------|
| Entrez GeneID       | <a href="#">717</a>           |
| GeneBank Accession# | <a href="#">NM_000063.3</a>   |
| Protein Accession#  | <a href="#">NP_000054.2</a>   |
| Gene Name           | C2                            |
| Gene Alias          | CO2, DKFZp779M0311            |
| Gene Description    | complement component 2        |
| Omim ID             | <a href="#">217000 603075</a> |
| Gene Ontology       | <a href="#">Hyperlink</a>     |

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | Component C2 is a serum glycoprotein that functions as part of the classical pathway of the complement system. Activated C1 cleaves C2 into C2a and C2b. The serine proteinase C2a then combines with complement factor 4b to create the C3 or C5 convertase. Deficiency of C2 has been reported to associated with certain autoimmune diseases and SNPs in this gene have been associated with altered susceptibility to age-related macular degeneration. This gene localizes within the class III region of the MHC on the short arm of chromosome 6. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described in publications but their full-length sequence has not been determined |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| Other Designations | C3/C5 convertase OTTHUMP00000029277 OTTHUMP00000062690 complement C2 complement component C2 |
|--------------------|----------------------------------------------------------------------------------------------|

## Pathway

- [Complement and coagulation cascades](#)
- [Systemic lupus erythematosus](#)

## Disease

- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Birth Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choroid Diseases](#)
- [Choroidal Neovascularization](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cross Infection](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)

- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Retinal Diseases](#)
- [Retinal Drusen](#)
- [Vision](#)
- [Wet Macular Degeneration](#)
- [Wounds and Injuries](#)