

For Research Use Only

# Recombinant Mouse CD27 protein (His Tag)



Catalog Number: Eg1311

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
His Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/μg protein, LAL method

**Source:**  
HEK293-derived Mouse CD27 protein Thr21-Arg182 (Accession# P41272) with a His tag at the C-terminus.

**GeneID:**  
21940

**Accession:**  
P41272

**Predicted Molecular Mass:**  
19.2 kDa

**SDS-PAGE:**  
35-45 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity. It is a receptor for CD70 (CD27L). Ligation of CD27 by CD70 induces strong ubiquitination of TRAF and the activation of both canonical and non-canonical NF-κB pathways, as well as the JNK pathway. CD27 may also play a role in apoptosis through association with SIVA1.

## References

1. Agematsu K. et al. (2000) Immunol Today. 21(5):204-6.
2. Hendriks J. et al. (2000) Nat Immunol. 1(5):433-40.
3. Nolte MA. et al. (2009) Immunol Rev. 229(1):216-31.
4. Singaravelu K. et al. (2011) Am J Physiol Renal Physiol. 300(5):F1130-41.

## Synonyms

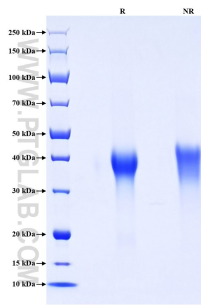
CD27 antigen, CD27L receptor, T-cell activation antigen CD27, Tnfrsf7, Tumor necrosis factor receptor superfamily member 7

For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Mouse CD27 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.