

# Recombinant Human CD37 protein (rFc Tag)

Catalog Number: Eg1764

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;0.1 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human CD37 protein Arg112-Asn241 (Accession# P11049-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

951

**Accession:**

P11049-1

**Predicted Molecular Mass:**

44.2 kDa

**SDS-PAGE:**

45-60 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

CD37 is a membrane protein of the tetraspanin superfamily which are characterized by the presence of four conserved transmembrane regions. CD37 is a tetraspanin expressed prominently on the surface of B cells. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD37 plays a role in B-cell function, and may also play a role in T-cell-B-cell interactions. CD37 is crucial in regulating B cell survival, shaping immune response, and immune evasion.

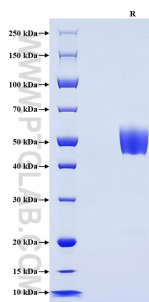
## References

- 1.Hemler ME. (2005) Nat Rev Mol Cell Biol. 6(10):801-11.
- 2.Bobrowicz M, et al. (2020) Int J Mol Sci. 21(24):9531.
- 3.Knobeloch KP, et al. (2000) Mol Cell Biol. 20(15):5363-9.
- 4.Schaper F, van Spriel AB. (2018) Front Immunol. 9:1185.

## Synonyms

CD37 molecule, GP52 40, Leukocyte antigen CD37, Tetraspanin 26, Tspan 26

## Selected Validation Data



Purity of Recombinant Human CD37 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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