

For Research Use Only

Recombinant Human CD47 protein (Myc Tag, His Tag)



Catalog Number: Eg31499

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: Myc Tag, His Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/μg protein, LAL method

Source:
HEK293-derived Human t-Plasminogen activator protein Gln19-Pro139 (Accession# Q08722-1, Tyr54Cys) with a Myc tag and a His tag at the C-terminus.

GeneID:
961

Accession:
Q08722-1

Predicted Molecular Mass:
19.3 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile 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

CD47, also known as integrin-associated protein (IAP), is a member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. CD47 is heavily glycosylated and widely expressed by hematopoietic and nonhematopoietic cells. CD47 interacts with several membrane integrins and also acts as a receptor for thrombospondin (THBS1). It is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. CD47 also functions as a ligand for signal regulatory protein-α (SIRPα). Upon binding CD47, SIRPα initiates a signaling cascade that results in the inhibition of phagocytosis.

References

1. Brown, E. The Journal of clinical investigation vol. 107,12 (2001): 1499-500.
2. Sick, E et al. British journal of pharmacology vol. 167,7 (2012): 1415-30.
3. Barclay, A Neil, and Timo K Van den Berg. Annual review of immunology vol. 32 (2014): 25-50.

Synonyms

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

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