

Recombinant Human CD73 protein (rFc Tag)

Catalog Number: Eg2974

Basic Information

Species:
Human**Purity:**
>85 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>85 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CD73 protein Trp27-Lys547 (Accession# P21589-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

4907

Accession:

P21589-1

Predicted Molecular Mass:

83.8 kDa

SDS-PAGE:

80-95 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

CD73, also known as ecto-5'-nucleotidase (5'-NT), is a 70-kDa, glycosyl-phosphatidylinositol-linked membrane-bound glycoprotein found in most tissues. CD73 is an ectoenzyme that catalyzes the dephosphorylation of AMP and other nucleoside monophosphates. In the human immune system, CD73 is expressed on subsets of T and B cells, on germinal center follicular dendritic cells, and on thymic medullary reticular fibroblasts and epithelial cells. CD73 is highly expressed in many human solid tumors and is closely involved in cancer progression.

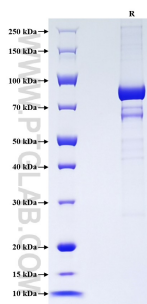
References

- 1.Colgan, Sean P et al. Purinergic signalling vol. 2,2 (2006): 351-60.
- 2.Jin, Dachuan et al. Cancer research vol. 70,6 (2010): 2245-55.
- 3.Resta, R et al. Immunological reviews vol. 161, (1998): 95-109.
- 4.Thomson, L F et al. Tissue antigens vol. 35,1 (1990): 9-19.
- 5.Jin, Dachuan et al. Cancer research vol. 70,6 (2010): 2245-55.

Synonyms

NT5E, 5 NT, 5 nucleotidase, 5' nucleotidase, ecto (CD73), 5'-deoxynucleotidase

Selected Validation Data



Purity of Recombinant Human CD73 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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