

Recombinant Human CD43 protein (rFc Tag)

Catalog Number: Eg1761

Basic Information

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

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CD43 protein Ser20-Arg253 (Accession# P16150) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

6693

Accession:

P16150

Predicted Molecular Mass:

49.7 kDa

SDS-PAGE:

52-100 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

CD43, also named leukosialin, sialophorin, galactoglycoprotein, leukocyte sialoglycoprotein, SPN, and is a mucin-like type I transmembrane protein. In humans, it is expressed in haematopoietic cells, including T lymphocytes, monocytes, granulocytes, natural killer cells, platelets, and haematopoietic stem cells, with the exception of mature erythrocytes and B cell subpopulations. CD43 can both induce and protect against apoptosis, and can either promote or block cell adhesion. The unglycosylated form of CD43 migrates on SDS-PAGE with a molecular weight of 54 kDa (PMID: 2943740), whereas CD43 from different haematopoietic cell lines displays increased molecular weights since it is glycosylated with O-linked chains that differ in core structure and sialylation.

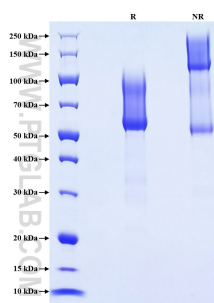
References

1. M Santamaría, et al. (1996) Cancer Res. 56(15):3526-9.
2. T J Brown, et al. (1996) J Biol Chem. 271(44):27686-95.
3. S R Carlsson, et al. (1986) J Biol Chem. 261(27):12779-86.

Synonyms

CD43 cytoplasmic tail, Galactoglycoprotein, GALGP, GPL115, Leukocyte sialoglycoprotein

Selected Validation Data



Purity of Recombinant Human CD43 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.

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

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