

Recombinant Human CSN3 protein (rFc Tag)

Catalog Number: Eg3048

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 CSN3 protein Glu21-Ala182 (Accession# P07498) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

1448

Accession:

P07498

Predicted Molecular Mass:

44.2 kDa

SDS-PAGE:

48-65 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

κ-Casein (CSN3) is the major protein component of milk micelles in most mammalian species. CSN3, which is mainly located at the surface of the micelles, is known to play an essential role in controlling the stability of the micelles. CSN3 from bovine milk possesses molecular chaperone activity and functioned to prevent precipitation of the target protein.

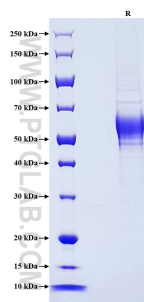
References

1. Niu J, Yan T, et al. (2022) Autophagy. 19(6):1693-1710.
2. Amalfitano N, Macedo Mota LF, et al. (2022) J Dairy Sci. 105(7):6001-6020.
3. Boro M, Govatati S, et al. (2021) Cell Death Differ. 28(2):780-798.
4. Rozen S, Füzesi-Levi MG, et al. (2015) Cell Rep. 13(3):585-598.

Synonyms

CASK, CSN3, casein kappa, CSN10, CSNK

Selected Validation Data



Purity of Recombinant Human CSN3 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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