

Recombinant Human β -Casein/CSN2 Protein (His Tag)

Catalog Number: PDEH100718

Note: Centrifuge before opening to ensure complete recovery of vial contents.

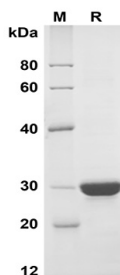
Description

Species	Human
Source	E.coli-derived Human β -Casein protein Glu26-Val226, with an N-terminal His
Calculated MW	24.3 kDa
Observed MW	30 kDa
Accession	P05814
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human β -Casein/CSN2 proteins,
2 μ g/lane of Recombinant Human β -Casein/CSN2 proteins
was resolved with SDS-PAGE under reducing conditions,
showing bands at 30 KD.

Background

Beta-casein is a protein that in humans is encoded by the CSN2 gene. Beta-casein is a 226 amino acids protein that belongs to the beta-casein family. It is secreted in milk. Beta-casein plays an important role in the determination of the surface properties of the casein micelles.

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