

# Recombinant Human $\beta$ -Casein/CSN2 Protein (His Tag)



Catalog Number:PDEH100056

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

## Description

<b>Synonyms</b>	$\beta$ -Casein;CSN2
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Glu26-Val226
<b>Accession</b>	P05814
<b>Calculated Molecular Weight</b>	24.3 kDa
<b>Observed molecular weight</b>	25-28 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## 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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