

# Recombinant human Casein beta/CSN2 protein

Catalog Number: ATGP1430

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

16-226aa

### UniProt No.

P05814

### NCBI Accession No.

NP\_001882.1

### Alternative Names

Beta-casein, CASB

## PRODUCT SPECIFICATION

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### Molecular Weight

26.6 kDa (236aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.2M NaCl, 1mM DTT, 0.1mM PMSF

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CSN2, also known as beta-casein precursor, belongs to the beta-casein family. CSN2 has important role in determination of the surface properties of the casein micelles. Recombinant human CSN2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGSHM>RETIE SLSSEESIT EYKQKVEKVK HEDQQQGEDE HQDKIYPSFQ  
PQPLIYPFVE PIPYGFLPQN ILPLAQPAVV LPVPQPEIME VPKAKDTVYT KGRVMPVLKS PTIPFFDPQI PKLTDLENLH

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LPLPLLQPLM QQVPQPIPQT LALPPQPLWS VPQPKVLPV QQVVPYPQRA VPVQALLNQ ELLLNPTHQI YPVTQPLAPV  
HNPIVS

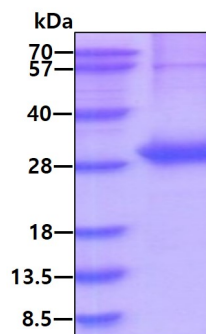
## General References

Hansson L., et al. (1994) Gene. 139:193-199

Greenberg R., et al. (1984) J. Biol. Chem. 259:5132-5138

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.