

Recombinant human Casein beta/CSN2 protein

Catalog Number: ATGP1430

PRODUCT INFORMATION

Expression system

E.coli

Domain

16-226aa

UniProt No.

P05814

NCBI Accession No.

NP_001882.1

Alternative Names

Beta-casein, CASB

PRODUCT SPECIFICATION

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

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 VPQPKVLPIP QQVVPYPQRA VPVQALLNQ ELLLNPTHQI YPVTQPLAPV
HNPISV

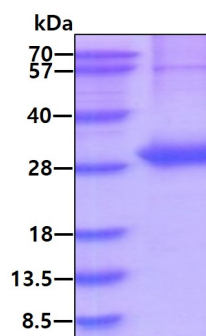
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.