

Recombinant Human CSN3, His-tagged

Cat. No. CSN3-123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human κ -Casein/CSN3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu21-Ala182) of Human CSN3 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	21-182 a.a.
Description	Kappa-Casein (CSN3) is a secreted protein that belongs to the Kappa-Casein family. CSN3 exists in heteromultimers that are composed of alpha-s 1casein and kappa casein linked by disulfide bonds. CSN3 is involved in a number of important physiological processes. In the gut, CSN3 protein is split into an insoluble peptide (para kappa-casein) and a soluble hydrophilic glycopeptide (caseinomacropeptide). Caseinomacropeptide is responsible for increased efficiency of digestion, prevention of neonate hypersensitivity to ingested proteins, and inhibition of gastric pathogens. Kappa-casein also stabilizes micelle formation, preventing casein precipitation in milk.
AA Sequence	EVQNQKQPACHENDERPFYQKTAPYVPMYYVPNSYPYYGTNLYQRRPAIAINNPCV PRTYYANPA VVRPHAQIPQRQYLPNSHPPTVRRPNLHPSFIAIPPKKIQDKIIIPTINT IATVEPTPAPATEP TVDSVVTPEAFSESIITSTPETTTVAVTPPTAVDHHHHHH
Endotoxin	Less than 0.1 ng/ μ g (1 IEU/ μ g).

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Purity Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name CSN3 casein kappa [Homo sapiens]

Official Symbol CSN3

Synonyms CSN3; casein kappa; casein, kappa , CSN10; kappa-casein; KCA; CSNK; CSN10;

Gene ID 1448

mRNA Refseq NM_005212

Protein Refseq NP_005203

MIM 601695

UniProt ID P07498

**Chromosome
Location** 4q21.1

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