

Kappa-Casein Protein, Human (HEK293, His)

Cat. No.:	HY-P70978
Synonyms:	Kappa-Casein; CSN3; CASK; CSN10; CSNK
Species:	Human
Source:	HEK293
Accession:	AAH10935.1 (E21-A182)
Gene ID:	1448
Molecular Weight:	28-35 kDa

PROPERTIES

AA Sequence	<p> EVQNQKQPAC HENDERPFYQ KTAPYVPMYY VPNSYPYYGT NLYQRRPAIA INNPCVPTY YANPAVVRPH AQIPQRQYLP NSHPPTVRR PNLHPSFIAI PPKKI QDKII IPTINTIATV ETPAPATEP TVDSVVTPEA FSESIITSTP ETTTVAVTPP TA </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p> Kappa-casein (CSN3) is a member of Caseins family, and is an extracellular mammalian milk protein involved in several important physiological processes. CSN3 stabilizes micelle formation, preventing casein precipitation in milk. Chymosin splits CSN3 into an insoluble peptide (para kappa-casein) and water-soluble glycomacropeptide (GMP). GMP is responsible for an increased efficiency of digestion, prevention of neonate hypersensitivity to ingested proteins, and inhibition of gastric pathogens^{[1][2]}. </p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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