



Bovine A1 Beta Casein, Native Protein

Catalogue No.:	PE-1831-20
Description:	<p>Bovine milk may contain two types of beta-casein protein, A2 or A1, which differ by a single-point mutation at amino acid position 82 (P82/H82). Recent studies have shown that milk containing the A1 beta casein protein can contribute to issues including gastrointestinal discomfort after ingestion. There is some evidence of a link between ingestion of A1 beta casein protein and the development of Type 1 diabetes.</p> <p>PE-1831-20 is A1 beta casein protein that is in its native form and purified from bovine A1/A1 commercial cow's milk collected from cows that are certified BSE and disease free by the manufacture of the milk.</p>
Related products:	BEK-2364-1P, Bovine A1 Beta Casein ELISA Kit (1 plate) C-1781-100, Chicken antibody to bovine A1 Beta Casein Protein: Affinity purified
Batch No.:	Refer to the product label.
Unit size:	20 ug
Sequence:	Bovine A1 beta casein differs from A2 beta casein at amino acid position 82 (H82)
Other Names:	Beta-casein
Accession:	P02666 (CASB_BOVIN)
Produced in:	Affinity-purified from organic natural bovine A1/A1 milk.
Molecular Weight:	~33 kDa (SDS-PAGE)
Purity:	The product is >95% A1 beta casein based on SDS-PAGE gel.
Applications:	A1 beta casein can be used in ELISA and Western blotting (100 ng or less) as a standard. Other applications not yet tested.
Specificity:	Single band (> 95%) on SDS-PAGE at about 33kDa with very few minor bands (< 5%) present when visualized by staining.
Form:	Affinity-purified, native protein. Country of Origin: United States of America
Appearance:	Liquid. Protein is provided as 50 uL aliquot at 0.4 mg/mL in 10 mM borate buffer, pH 8.5, containing 20% glycerol. Does not contain preservatives. Use sterile methods when handling.
Storage:	Protein is shipped on ice packs. Upon receipt, divide into aliquots and store product long-term at -20C. Store working aliquots short-term at 2-8C as undiluted liquid for one week. AVOID MULTIPLE FREEZE THAWS
Expiry Date:	12 months from purchase if stored at -20C.

FOR RESEARCH USE ONLY