



Bovine A2 Beta Casein, Native Protein

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| Catalogue No.: | PE-1832-20 |
| 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-1832-20 is A2 beta casein protein that is purified in its native form from bovine A2/A2 milk to >95% purity. The milk is collected from commercial cows certified free of disease and BSE by the manufacture of the milk.</p> |
| Related products: | <p>BEK-2365-1P, Bovine A2 Beta Casein ELISA Kit (1 plate) C-1780-100, Chicken antibody to bovine A2 Beta Casein Protein: Affinity purified</p> |
| Batch No.: | Refer to the product label. |
| Unit size: | 20 ug |
| Sequence: | Bovine A2 beta casein differs from A1 beta casein at amino acid position 82 (P82) |
| Other Names: | Beta Casein |
| Accession: | P02666 (CASB_BOVIN) |
| Produced in: | Affinity-purified from organic, natural bovine A2/A2 milk. |
| Molecular Weight: | ~33 kDa (SDS-PAGE) |
| Purity: | >95% (SDS-PAGE) |
| Biol. activity: | Not tested |
| Applications: | Purified A2 beta Casein protein can be used as a standard in ELISA or Western Blot applications. Other applications not tested. |
| Specificity: | Bovine A2 beta casein protein only binds A2-specific antibody as determined by Western Blotting. Protein runs as a single band (> 95%) with very few minor bands (< 5%) on SDS-PAGE gels. |
| Form: | Affinity-purified, native protein. |
| 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. |
| Storage: | Protein is shipped on ice packs. Upon receipt, aliquot 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. |

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