

## Natural Bos taurus (cattle) CSN2 ( $\beta$ -casein) protein

**Cat. No.** CSN2-737C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Natural Bos taurus (cattle) CSN2 ( $\beta$ -casein) protein was extracted from Bovine milk and purified by multi-step column chromatography.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Bovine milk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | <p>Important role in determination of the surface properties of the casein micelles. Casoparan acts as a macrophage activator, increasing the phagocytic activity of macrophages and peroxide release from macrophages. It also acts as a bradykinin-potentiating peptide.</p> <p>Casohypotensin acts as a bradykinin-potentiating peptide. Induces hypotension in rats. Acts as a strong competitive inhibitor of endo-oligopeptidase A.</p> <p>Antioxidant peptide has antioxidant activity.</p> |
| <b>Form</b>             | Preservative and carrier-free in 25 mM Tris, pH 7. Filtered through 0.22 $\mu$ m filter.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 25 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | Purity on silver stained SDS-PAGE >95%.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | (1) Store at -20°C. (2) Avoid freeze thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Warning</b>          | Allergens are provided for research and commercial use in vitro: not for human in vivo or therapeutic use.                                                                                                                                                                                                                                                                                                                                                                                         |

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