

## SPECIFICATION SHEET

**Product Name: Bos d 8**
**Catalog # BD08-A9010**

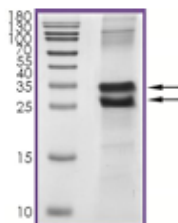
**Product Description:** Native *Bos taurus* allergen, Bos d 8 is purified from bovine milk and consists of the natural casein protein complex. It is one of the major allergen components of cow's milk.

**Storage and Stability:** Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles, aliquot product into smaller quantities.

### Data for a Sample Lot:

|                          |                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b>   | : Alpha-S1-casein, Alpha-S2-casein, Beta-casein, Kappa-casein                                                                                                                                                                                   |
| <b>Source</b>            | : <i>Bos taurus</i>                                                                                                                                                                                                                             |
| <b>Accession Numbers</b> | : GenBank: <a href="#">NP_851372.1</a> , <a href="#">NP_776953.1</a> , <a href="#">XP_005902099</a> , <a href="#">NP_776719.1</a><br>UniProt: <a href="#">P02662</a> , <a href="#">P02663</a> , <a href="#">P02666</a> , <a href="#">P02668</a> |
| <b>Host</b>              | : Native protein                                                                                                                                                                                                                                |
| <b>Formulation</b>       | : Protein stored in 1x PBS solution                                                                                                                                                                                                             |
| <b>Molecular Weight</b>  | : Calculated: 20-30 kDa<br>Observed: ~30 kDa                                                                                                                                                                                                    |
| <b>Purity</b>            | : The purity was determined to be ≥ 80% by densitometry                                                                                                                                                                                         |

### Gel Image



### References

1. Stewart AF, et al: Complete nucleotide sequences of bovine alpha S2- and beta-casein cDNAs: comparisons with related sequences in other species. Mol Biol Evol. 1987 May;4(3):231-241. doi: 10.1093/oxfordjournals.molbev.a040437.
2. Stewart AF, et al: Nucleotide sequences of bovine alpha S1- and kappa-casein cDNAs. Nucleic Acids Res. 1984 May 11;12(9):3895-3907. doi: 10.1093/nar/12.9.3895.