

SPECIFICATION SHEET

Product Name: Bos d 4
Catalog # BD04-A9010

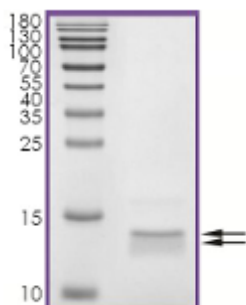
Product Description: The native *Bos taurus* allergen Bos d 4 is the natural α -lactalbumin purified from bovine milk whey. It is one of the major allergen components of cow's milk.

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:

Alternate Names : Alpha-lactalbumin, Lactose synthase B protein
Source : *Bos taurus*
Accession Numbers : GenBank: [AAA30615.1](https://www.ncbi.nlm.nih.gov/nuclot/AAA30615.1)
 UniProt: [P00711](https://www.uniprot.org/uniprot/P00711)
Host : Native protein
Formulation : Protein stored in 1x PBS solution
Molecular Weight : Calculated: 14.2 kDa
 Observed: ~14 kDa
Purity : The purity was determined to be $\geq 80\%$ by densitometry

Gel Image



References

1. Cingolani A, et al: Usefulness of nBos d 4, 5 and nBos d 8 Specific IgE Antibodies in Cow's Milk Allergic Children. *Allergy Asthma Immunol Res.* 2014 Mar;6(2):121-125. doi: 10.4168/aa.2014.6.2.121.
2. Tosca MA, et al: Molecular Allergy Diagnostics in Children with Cow's Milk Allergy: Prediction of Oral Food Challenge Response in Clinical Practice. *J Immunol Res.* 2023;2023:1129449. doi: 10.1155/2023/1129449.