


## Recombinant Bos d 2

### Product Code: RP-BD2-1

Allergen:	rBos d 2 ( <i>Bos domesticus</i> allergen 2)	 rBos d 2
Lot No:	XXXXX	
Source:	<i>Pichia pastoris</i>	
Mol. Wt:	18 kD	
Purification:	Purified from <i>Pichia pastoris</i> culture by multi-step chromatography. Purity >95% (See Panel).	
Concentration:	See product insert.	
Formulation:	Preservative-free and carrier-free in phosphate buffered saline, pH 7.4. Filtered through 0.22µm filter.	
Storage:	Store at -20°C	
Notes:	Not tested for endotoxin.	

**Allergens are provided for research and commercial use in vitro:**  
**Not for human in vivo or therapeutic use.**

### REFERENCES:

1. Kauppinen A, Peräsaari J, Taivainen A, Kinnunen T, Saarelainen S, Rytönen-Nissinen M, Jeal H, Jones M, Virtanen T. Association of HLA class II alleles with sensitization to cow dander Bos d 2, an important occupational allergen. *Immunobiology*. 2012 Jan; 217(1):8-12.
2. Saarelainen SA, Kinnunen TT, Buhot C, Närvänen AT, Kauppinen AK, Rytönen-Nissinen MA, Maillere B, Virtanen TI. Immunotherapeutic potential of the immunodominant T-cell epitope of lipocalin allergen Bos d 2 and its analogues. *Immunology*. 2008 Mar;123(3):358-66.
3. Rouvinen J, Rautiainen J, Virtanen T, Zeiler T, Kauppinen J, Taivainen A, Mäntylä R. Probing the molecular basis of Allergy: Three-dimensional structure of the bovine lipocalin allergen Bos d 2. *The Journal of Biological Chemistry* 1999;274(4):2337-43.