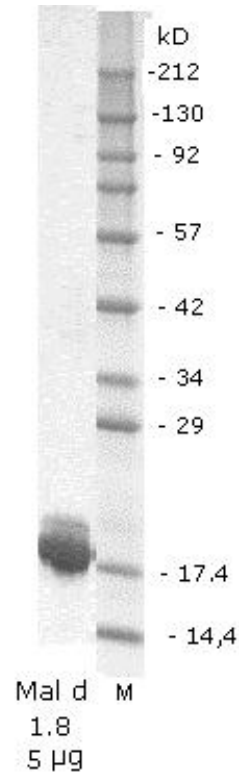




## Recombinant Mal d 1.0108

### Product Code: RE-MD1-1

Allergen:	rMal d 1.0108 ( <i>Malus domestica</i> , allergen 1)
Lot No:	xxxx
Source:	<i>E. coli</i>
Mol. Wt:	~17kD
Purification:	Purity > 90 % by SDS-PAGE
Concentration:	See product insert
Formulation:	20 mM NH <sub>4</sub> HCO <sub>3</sub> /1% sucrose
Storage:	Store at -20°C
Notes:	Not tested for endotoxin.



**For Research Use Only: Not for Diagnostic or Therapeutic Use**

### References:

1. Vanek-Krebitz M, Hoffmann-Sommergruber K, Laimer da Camara Machado M, Susani M, Ebner C, Kraft D, Scheiner O, Breiteneder H. Cloning and sequencing of Mal d 1, the major allergen from apple (*Malus domestica*), and its immunological relationship to Bet v 1, the major birch pollen allergen. *Biochem Biophys Res Commun.* 1995, 14;214:538-51.
2. Helene Puhlinger, Dieter Moll, Karin Hoffmann-Sommergruber, Bernard W, Hermann K, and Margit Laimer da Camara Machado. The promoter of an apple Ypr10gene, encoding the major allergen Mal d 1, is stress-and pathogen-inducible. *Plant Science* 152:1:35-50.