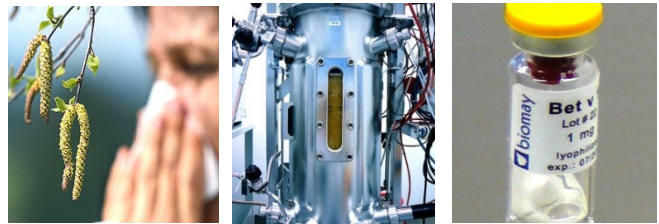




# Recombinant Allergens: standardized and highly pure

Biomay distributes recombinant allergens for research and diagnostics

- Recombinant allergens: standardized, characterized & pure biotech products
- Freeze-dried in glass vials at various aliquots (stable and durable)
- No genetic or environmental variation
- Off the shelf distribution and worldwide shipping
- Custom-designed manufacturing (research grade or GMP-quality)



### Unrivaled expertise in Recombinant Allergens







For more than 20 years, Biomay has been focused on the development, manufacturing and characterization of in-vitro synthesized recombinant allergens. Biomay distributes highly pure recombinant allergens derived from their natural wild-type counterparts like from tree, weed or grass pollen, food, moulds or latex (type I allergy – IgE dependent). Biomay’s recombinant allergens are known and applied in allergy research and diagnostic test systems.

### Standardized and highly pure proteins

Compared to their natural counterparts, recombinant allergens have the advantage to be in-vitro synthesized under standardized conditions, resulting in characterized and highly pure biotech-products. Biomay’s recombinant allergens are expressed by microbial fermentation, purified by chromatographic techniques and finalized as durable freeze-dried aliquots (0.2 – 1 mg). Each lot was characterized regarding identity, purity and allergenicity.

### Off-the-shelf and GMP contract manufacturing

Biomay operates worldwide shipping of its recombinant allergens after ordering from website [www.biomay.com](http://www.biomay.com) or after direct request. Beside off-the-shelf distribution, Biomay also offers custom designed contract manufacturing of recombinant allergens and other proteins. All proteins may be manufactured either in research grade or under the quality standards of Good Manufacturing Practice (GMP). GMP services range from process development until aseptic filling of clinical trial material (phase I – IV).

Category	Natural source	Recombinant allergens available
Mite	 House Dust Mite <i>Dermatophagoides pteronyssinus</i>	Der p 23 <b>NEW</b>
Tree Pollen	 Birch - <i>Betula verrucosa</i>	Bet v 1a Bet v 1d Bet v 2
	Alder - <i>Alnus glutinosa</i>	Aln g 1
	Hazel - <i>Corylus avellana</i>	Cor a 1
Weed Pollen	 Ragweed – <i>Ambrosia artemisiifolia</i>	Amb a 1 <b>NEW</b>
	Mugwort – <i>Artemisia vulgaris</i>	Art v 1a
Grass Pollen	 Timothy grass – <i>Phleum pratense</i>	Phl p 1   Phl p 2 Phl p 5   Phl p 6 Phl p 7   Phl p 12
Food	Apple - <i>Malus domestica</i>	Mal d 1
	Fish - <i>Cyprinus carpio</i>	Cyp c 1
	Carrot - <i>Daucus carota</i>	Dau c 1
	Celery – <i>Apium graveolens</i>	Api g 1
Moulds (fungi)	 <i>Alternaria alternata</i>	Alt a 1   Alt a 6
	<i>Cladosporium herbarum</i>	Cla h 8
Latex	 <i>Hevea brasiliensis</i>	Hev b 1   Hev b 3 Hev b 5   Hev b 6 Hev b 7   Hev b 8 Hev b 9   Hev b 10 Hev b 11

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| allergy vaccines |

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