Recombinant Betula pendula MtDH protein, His-tagged

Cat. No. MtDH-568D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Betula pendula MtDH(2-267aa) fused with His tag was expressed in E. coli.
Species	Davidiella tassiana
Source	E.coli
ProteinLength	2-267aa
Description	Spores of Cladosporium spp. probably occur more abundantly worldwide than any other spore type and are the dominant airborne spores in many areas, especially in temperate climates. (1, 2, 3, 4) Although C. cladosporioides may be the most prevalent airborne species, C. herbarum frequently dominates indoor and outdoor air and is a major source of fungal inhalant allergens. There are about 500 species of Cladosporium. Many are saprophytic on plant litter. C. herbarum is widely distributed in our environment and is a major source of fungal inhalant allergen. C. herbarum is one of the most common environmental fungi to be isolated worldwide. It occurs abundantly on fading or dead leaves of herbaceous and woody plants, as a secondary invader on necrotic leaf spots, and has frequently been isolated from air, foodstuffs, paints, textiles, humans and numerous other substrates. It is also known to occur on old carpophores of mushrooms and other fungi and as a common endophyte, especially in temperate regions. Under favourable climatic conditions C. herbarum also germinates and grows as an epiphyte on the surface of green, healthy leaves. About 60 antigens from C. herbarum have been identified, of which at least 36

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	react with IgE antibodies from patients' sera. Fungal allergens can be grouped into several categories: proteases; glycosidases; components of protein production; oxidative stress response proteins; and enzymes involved in gluconeogenesis or the pentose phosphate shunt. Proteases and glycosidases are secreted enzymes that have a direct effect on the host. The latter three are suggestive of metabolism in spores germinating in a hostile environment.
Form	It is supplied in a buffer in 4 M urea, 50 mM Tris-HCl (pH 8.0). or lyophiliszed in the same buffer.
Purity	>95%
Applications	ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, Functional Assay, etc.
Storage	When stored at -20 centigrade the quality of the material will be maintained for several years. However, for short periods (max. 3 weeks) the lyophilized product may be kept at room temperature. After reconstitution store at -20 centigrade. Avoid repeated freezing/thawing.
Reconstitution	Reconstitute powder in water and store frozen in suitable ailquots.

GENE INFORMATION

UniProt ID	P0C0Y5

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA