

## Hydrophobin-2/HFB2 Protein, *Trichoderma reesei* (P.pastoris)

Cat. No.:	HY-P71795
Synonyms:	hfb2; Hydrophobin-2; Hydrophobin II; HFBII
Species:	Others
Source:	<i>P. pastoris</i>
Accession:	P79073 (16A-86F)
Gene ID:	18482765
Molecular Weight:	Approximately 23.2 kDa

### PROPERTIES

AA Sequence	A V C P T G L F S N    P L C C A T N V L D    L I G V D C K T P T    I A V D T G A I F Q A H C A S K G S K P    L C C V A P V A D Q    A L L C Q K A I G T    F
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>Hydrophobin-2/HFB2 protein plays a critical role in conferring spore hydrophobicity and providing protective functions. This protein is responsible for imparting a hydrophobic character to spores, a feature essential for their survival and resilience in various environmental conditions. By contributing to spore hydrophobicity, Hydrophobin-2/HFB2 not only enhances the spores' resistance to moisture but also safeguards them from potential threats. The protective function of this protein underscores its significance in the biological strategies employed by organisms, ensuring the durability and viability of spores in diverse ecological settings.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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