

Aspergillus fumigatus Dihydroorotate Dehydrogenase Protein, His Tag

Catalog # DDE-A51H3



BIOSYSTEMS
Acro

Surprise Inside!

Synonym

Dihydroorotate Dehydrogenase

Source

Aspergillus fumigatus Dihydroorotate Dehydrogenase Protein, His Tag (DDE-A51H3) is expressed from *E. coli* cells. It contains AA Ala 89 - Gln 531 (Accession # [A0A229W7A4](#)).

Predicted N-terminus: Met

Molecular Characterization

Dihydroorotate Dehydrogenase(Ala 89 - Gln 531)
A0A229W7A4

Poly-his

[Other Tags and Version Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 49.5 kDa. The protein migrates as 55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE).

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please avoid repeated freeze-thaw cycles.

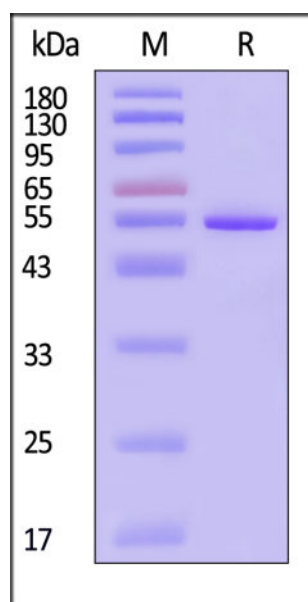
This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Aspergillus fumigatus Dihydroorotate Dehydrogenase Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

Aspergillus fumigatus dihydroorotate dehydrogenase (DHODH) is an essential mitochondrial enzyme in the de novo pyrimidine biosynthesis pathway, required for fungal DNA and RNA synthesis. Because A. fumigatus relies on DHODH for growth and survival, the enzyme has emerged as a validated antifungal drug target, exemplified by inhibitors such as olorofim



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