

Asp-hemolysin (*Aspergillus fumigatus*)
***Aspergillus fumigatus*, recombinant protein expressed in *E. coli*.**
Low Endotoxin & Sterilized
Cat# CY-R2475

Amount: 50 µg (0.5 µg/µl)

Lot:

Introduction:

Asp-hemolysin is a hemolytic toxin from *Aspergillus fumigatus*. The gene for Asp-hemolysin has been cloned and the gene sequence has been reported. The sequence of the primary Asp-hemolysin gene product, predicted from the cDNA sequence, consists of 131 amino acid residues. Asp-hemolysin binds to Ox-LDL in a concentration-dependent manner. It has shown that Asp-hemolysin is a specific binding protein for Ox-LDL with high affinity ($K_d = 1.2 \times 10^{-9}$ M), and its binding specificity is distinct from any receptor for Ox-LDL.

Product Description:

Full length (131 a.a.) of Asp-hemolysin (*Aspergillus fumigatus*), containing an N-terminal GST tag, expressed in *E. coli*. and purified by GSH agarose chromatography.

Gene Information:

The gene accession number is D16501

Amino acids sequence:

MASVQAYAQWVTVHLINSMSETLSIKNASLSWGKWKYKDGDKDAEITSEDVQQKTAPPGG
SVNVNSCGRSDASSGTTGGFDLYDGNTKIGRVHWDCPWGSKTNDFDVGERNKNYWVEIGT
WNKYGGAIGNC

Gene Aliases:

Asp-HS, Asp-LDL-binding protein

Formulation:

Recombinant Asp-hemolysin is supplied frozen in phosphate buffered saline (PBS) containing 50 % glycerol.

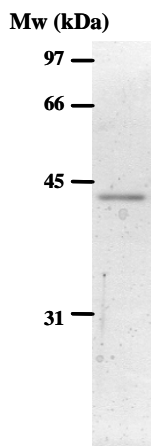
Endotoxin Concentration:

< 0.01 EU/µg as determined by Limulus Amebocyte Lysate (LAL) assay

Purity:

> 90 % as determined by SDS PAGE

Molecular Weight: 43 kDa



CBB stain

Recombinant Asp-hemolysin demonstrates approximately 43 kDa band by SDS-PAGE analysis.

Storage:

Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, AVOID REPEATED HANDLING AND MULTIPLE FREEZE/THAW CYCLES.

Stability:

Unopened vial at -70 °C, for 1 year after delivery.

References:

1. Ebina,K., Sakagami,H., Yokota,K. and Kondo,H.: Cloning and nucleotide sequence of cDNA encoding Asp-hemolysin from *Aspergillus fumigatus* *Biochim. Biophys. Acta* **1219**: 148-150, 1994

Related Products

* PA0122 (*Pseudomonas aeruginosa*) Low Endotoxin: Cat# CY-R2474

* Asp-hemolysin Low Endotoxin: Cat# CY-R2475

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