

SPECIFICATION SHEET

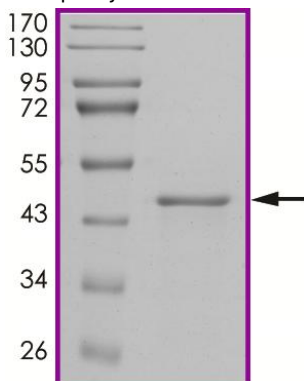
Product Name: Asp f 5
Catalog # AF05-A931H

Product Description: Recombinant *Aspergillus fumigatus* allergen Asp f 5 was expressed in *E. coli* using a C-terminal His tag.

Storage and Stability: Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles aliquot product into smaller quantities.

Data for a Sample Lot:

Alternate Names	: Extracellular metalloproteinase mep, AfuMep, Allergen Asp f 5, Elastinolytic metalloproteinase mep, Fungalsin mep
Source	: <i>Aspergillus fumigatus</i>
Accession Numbers	: GenBank: Z30424.1 UniProt: P46075
Host	: <i>E. coli</i>
Formulation	: Recombinant protein stored in 1x PBS, 20 mM arginine, 3% sucrose solution
Molecular weight	: Calculated: 43.6 kDa Observed: ~45 kDa
Purity	: The purity was determined to be > 90% by densitometry
Gel Image	



References

1. Sirakova TD, Markaryan A, Kolattukudy PE. Molecular cloning and sequencing of the cDNA and gene for a novel elastinolytic metalloproteinase from *Aspergillus fumigatus* and its expression in *Escherichia coli*. *Infect Immun*. 1994 Oct;62(10):4208-4218. doi: 10.1128/iai.62.10.4208-4218.1994. PMID: 7927676; PMCID: PMC303097.
2. Markaryan A, Morozova I, Yu H, Kolattukudy PE. Purification and characterization of an elastinolytic metalloprotease from *Aspergillus fumigatus* and immunoelectron microscopic evidence of secretion of this enzyme by the fungus invading the murine lung. *Infect Immun*. 1994 Jun;62(6):2149-2157. doi: 10.1128/iai.62.6.2149-2157.1994. PMID: 8188335; PMCID: PMC186491