

SPECIFICATION SHEET

Product Name: Fra a 4

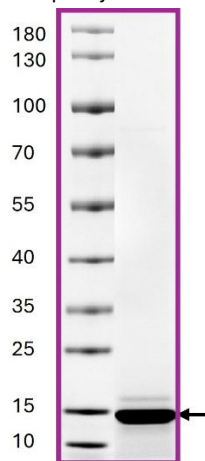
Catalog # FA04-A32H

Product Description: Recombinant *Fragaria ananassa* allergen Fra a 4 was expressed in *E. coli* and purified by using a His tag.

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

Data for a Sample Lot:

Alternate Names : None
Source : *Fragaria ananassa* (Strawberry)
Accession Numbers : Genbank: [XM_004287442](https://www.ncbi.nlm.nih.gov/nuccore/XM_004287442)
Host : *E. coli*
Formulation : Recombinant protein stored in 1x PBS solution, 5% trehalose solution.
Molecular weight : Calculated: ~15.1 kDa
Observed ~15 kDa
Purity : The purity was determined to be ≥90% by densitometry
Gel Image



References

1. Karlsson AL, Alm R, Ekstrand B, Fjelkner-Modig S, Schiött A, Bengtsson U, Björk L, Hjernø K, Roepstorff P, Emanuelsson CS. Bet v 1 homologues in strawberry identified as IgE-binding proteins and presumptive allergens. *Allergy*. 2004 Dec;59(12):1277-84. doi: 10.1111/j.1398-9995.2004.00585.x. PMID: 15507096.
2. Musidłowska-Persson A, Alm R, Emanuelsson C. Cloning and sequencing of the Bet v 1-homologous allergen Fra a 1 in strawberry (*Fragaria ananassa*) shows the presence of an intron and little variability in amino acid sequence. *Mol Immunol*. 2007 Feb;44(6):1245-52. doi: 10.1016/j.molimm.2006.06.004. Epub 2006 Sep 1. PMID: 16945416.