

SPECIFICATION SHEET

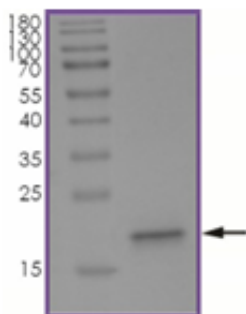
Product Name: Aln g 1
Catalog # AG01-A922H

Product Description: Recombinant *Alnus glutinosa* allergen Aln g 1 was expressed in *N. benthamiana* with a His tag and purified by a combination of affinity and ion exchange chromatography.

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	: Major pollen allergen Aln g 1, Allergen Aln g 1
Source	: <i>Alnus glutinosa</i> (black alder)
Accession Numbers	: GenBank: S50892.1 UniProt: P38948
Host	: <i>Nicotiana benthamiana</i> (tobacco)
Formulation	: Recombinant protein stored in 10 mM sodium phosphate, pH 7.7, 150 mM NaCl solution
Molecular Weight	: Calculated: 20.6 kDa Observed: ~20 kDa
Purity	: The purity was determined to be ≥ 90% by densitometry
Concentration	: 0.86 µg/µL
Gel Image	



References

1. Breiteneder H, Ferreira F, Reikerstorfer A, Duchene M, Valenta R, Hoffmann-Sommergruber K, Ebner C, Breitenbach M, Kraft D, Scheiner O. Complementary DNA cloning and expression in *Escherichia coli* of Aln g I, the major allergen in pollen of alder (*Alnus glutinosa*). *J Allergy Clin Immunol*. 1992 Dec;90(6 Pt 1):909-917. doi: 10.1016/0091-6749(92)90463-C. PMID: 1460197.