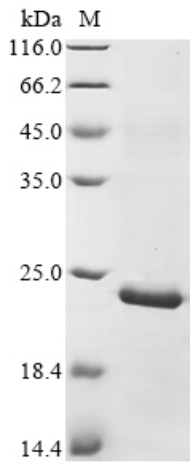


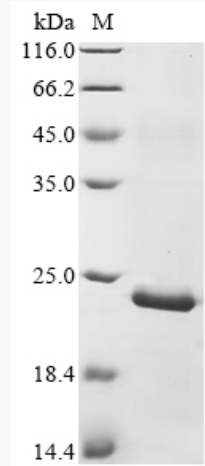
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Datasheet

Product Name	Recombinant Carpinus betulus Major pollen allergen Car b 1 isoforms 1A and 1B
Catalog Number	AAA18669
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-tagged
Storage Buffer	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Causes an allergic reaction in human.
AA sequence	GVFN YEAE T P S V I P A A R L F K S Y V L D G D K L I P K V A P Q V I S S V E N V G G N G G P G T I K N I T F A E G I P F K F V K E R V D E V D N A N F K Y N Y T V I E G D V L G D K L E K V S H E L K I V A A P G G G S I V K I S S K F H A K G Y H E V N A E K M K G A K E M A E K L L R A V E S Y L L A H T A E Y N
References	"PCR based cloning and sequencing of isogenes encoding the tree pollen major allergen Car b I from Carpinus betulus, hornbeam." Nedergaard Larsen J., Stroeman P., Ipsen H. Mol. Immunol. 29:703-711(1992)

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Certificate of Analysis

Product Name	Recombinant Carpinus betulus Major pollen allergen Car b 1 isoforms 1A and 1B		
Catalog Number	AAA18669		
Expression host	E.coli		
Product Info	N-terminal 6xHis-tagged		
Buffer	0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol		
Batch Number	YD03466b1g5		
Nature	Carpinus betulus Major pollen allergen Car b 1 isoforms 1A and 1B-(AA 2-160)- P38949 -Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, six months from the date of receipt	
Form	Liquid		
Date of detection	2021.11.15		
Test Items	Specifications		Results
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		0.61 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		94%
Molecular Weight	Predicted band size: 21.3 kDa		Observed band size: 22 kDa



for research use only

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	0.2 µm Sterile Filtered	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	