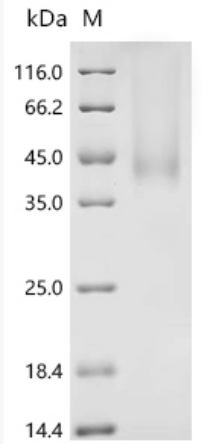


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Certificate of Analysis

Product Name	Recombinant Human High affinity immunoglobulin epsilon receptor subunit alpha (FCER1A), partial		
Catalog Number	AAA18475		
Expression host	Yeast		
Tag Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from a 0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6%Trehalose, pH 8.0. The volume before lyophilization is 83μl/vial,2 vials.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DD06057a6g0		
Nature	Human FCER1A-(AA 26-205)- P12319 -Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week after reconstitution	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2024.07.25		
Test Items	Specifications		Results
Purity	≥90%,by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		97%
Molecular Weight	Predicted band size: 23.3 kDa		Observed band size: 42 kDa The reducing (R) protein migrates as 42 kDa in SDS-PAGE may be due to glycosylation.

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	Lyophilized protein has been sterile filtered prior to lyophilization. However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein. Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution. Customers could use it as reference.	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	

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Datasheet

Product Name	Recombinant Human High affinity immunoglobulin epsilon receptor subunit alpha (FCER1A), partial
Catalog Number	AAA18475
Expression host	<i>Yeast</i>
Tag Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from a 0.2 µm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6%Trehalose, pH 8.0. The volume before lyophilization is 83µl/vial,2 vials.
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	Binds to the Fc region of immunoglobulins epsilon. High affinity receptor. Responsible for initiating the allergic response. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines.
AA sequence	VPQKPKVSLNPPWNRIFKGENVTLCNGNFFEVSSTKWFHNGSLSEETNSSLNIVNAKFEDSGEYKCQHQQ VNESEPVYLEVFSDWLLLQASAEVVMEGQPLFLRCHGWRNWDVYKVIYYKDGEALKYWYENHNISITNATVE DSGTTYCTGKVVQLDYESEPLNITVIKAPREKYWLQ