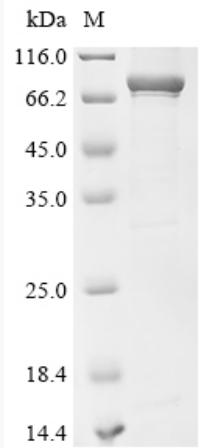


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**Datasheet**

<b>Product Name</b>	Recombinant Human Steroid 17-alpha-hydroxylase/17,20 lyase(CYP17A1)
<b>Catalog Number</b>	AAA18482
<b>Expression host</b>	<i>Baculovirus</i>
<b>Product Info</b>	N-terminal GST-tagged
<b>Buffer</b>	Lyophilized from a 0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0  The volume before lyophilization is 1000μl/vial , 5vials.
<b>Storage</b>	Store at -20℃ , for extended storage, conserve at -20℃ or -80℃ .
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
<b>AA sequence</b>	MWELVALLLLTLAYLFWPKRRCPGAKYPKSLLSLPLVGSLPFLPRHGHMHNNF FKLQKKYGPIYSVRMGTKTTVIVGHHQLAKEVLIKKGKDFSGRPQMATLDIASN NRKGIAFADSGAHWQLHRRLAMATFALFKDGDQKLEKICQEISTLCDMLATH NGQSIDISFPVFVAVTNVISLICFNTSYKNGDPELNVIQNYNEGIIDNLSKDSLVD LVPWLKIFPNKTLEKLKSHVKIRNDLLNKILENYKEKFRSDSITNMLDTLMQAK MNSDNGNAGPDQDSELLSDNHILTTIGDIFGAGVETTTSVVKWTLAFLHNPQV KKKLYEEIDQNVGFSRTPTISDRNRLLLLEATIREVLRLRPVAPMLIPHKANVDS SIGEFAVDKGTEVIINLWALHHNEKEWHQPDQFMPEFLNPAGTQLISPSVSYLP FGAGPRSCIGEILARQELFLIMAWLLQRFDLEVPDDGQLPSLEGIPKVVFLIDSFK VKIKVRQAWREAQAEGST

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## Certificate of Analysis

Product Name	Recombinant Human Steroid 17-alpha-hydroxylase/17,20 lyase(CYP17A1)		
Catalog Number	AAA18482		
Expression host	Baculovirus		
Product Info	N-terminal GST-tagged		
Buffer	Lyophilized from a 0.2 μ m sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0  The volume before lyophilization is 1000μl/vial , 5vials.		
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	DD05768b1g0		
Nature	Human CYP17A1-(AA 1-508)-P05093-Full Length		
Purification	Affinity purified using AC		
Recommended Storage	Short term	2 to 8 ℃, one week from the date of receipt	
	Long term	-20 to -80 ℃, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2023.10.20		
Test Items	Specifications		Results
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		85%
Molecular Weight	Predicted band size: 83.1 kDa		Observed band size: 83 kDa

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