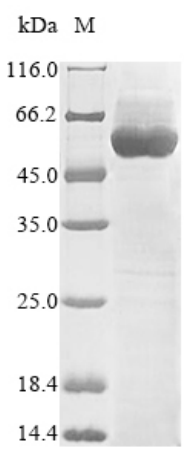


## Recombinant Human Steroid 21-hydroxylase(CYP21A2)

Catalog Number: RPC20031

<b>Product Name</b>	Recombinant Human Steroid 21-hydroxylase(CYP21A2)
<b>Catalog Number</b>	RPC20031
<b>Expression host</b>	<i>E.coli</i>
<b>Product Info</b>	N-terminal 6xHis-tagged
<b>Storage Buffer</b>	10 mM Tris-HCl, 1 mM EDTA, pH8.0, 10% glycerol
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Relevance</b>	Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids
<b>AA sequence</b>	MLLLGLLLLPLLAGARLLWNWWKLRSLHLPPLAPGFLHLLQPDLPYLLGLTQK FGPIYRLHLGLQDVVVLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSKNYPDLS LGDYSLLWKAHKLLTRSALLLGIRDSMEPVVEQLTQEFCEMRAQPGTPVAIEEE FSLTCSIICYLTFGDKIKDDNLMPAYYKCIQEVLKTWSHWSIQIVDVIPFLRFFPN PGLRRLKQAIEKRDHIVEMQLRQHKEVLVAGQWRDMMDYMLQGVAQPSMEEG SGQLLEGHVHMAAVDLLIGGTETTANTLSWAVVFLHHPEIQRLQEELDHELG PGASSSRVPYKDRARLPLLNATIAEVLRLRPVVPLALPHRTTRPSSISGYDIPEGTV IIPNLQGAHLDET VWERPHEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLE LFVVLTRLLQAFTLLPSGDALPSLQPLPHCSVILKMQPFQVRLQPRGMGAHSPGQ NQ
<b>References</b>	"Complete sequencing and characterization of 21,243 full-length human cDNAs." Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S. Sugano S. Nat. Genet. 36:40-45(2004)

## Certificate of Analysis

<b>Product Name</b>	Recombinant Human Steroid 21-hydroxylase(CYP21A2)	
<b>Catalog Number</b>	RPC20031	
<b>Expression host</b>	<i>E.coli</i>	
<b>Product Info</b>	N-terminal 6xHis-tagged	
<b>Storage Buffer</b>	10 mM Tris-HCl, 1 mM EDTA, pH8.0, 10% glycerol	
<b>Batch Number</b>	03647	
<b>Nature</b>	Human CYP21A2-(AA 1-494)- <b>P08686</b> -Full Length	
<b>Purification</b>	Affinity purified using IMAC	
<b>Recommended Storage</b>	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
<b>Form</b>	Liquid	
<b>Date of manufacture</b>	2017.12.19	
<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>Appearance</b>	Clear Solution	pass
<b>Concentration</b>	0.1-5 mg/ml, by the Bradford Method.	0.8 mg/ml
<b>Purity</b>	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	
<b>Molecular Weight</b>	Predicted band size: 59.9 kDa	

---

<b>Electrophoretic parameters</b>	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
<b>Aseptic Processing</b>	Not done
<b>Endotoxin Level</b>	Untreated
<b>Activity</b>	Not tested
<b>Conclusion</b>	pass