

Recombinant Human CYP21A2 protein, GST-tagged

Cat. No. CYP21A2-2790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP21A2 protein(P08686)(1-494aa), fused to N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-494aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	82.9 kDa
AA Sequence	MLLLGLLLLPLLAGARLLWNWWKLRS LHLPLAPGFLHLLQPDLPIYLLGLTQKFGPI YRLHLGLQDVVVLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSKNYPDLSLGDYSLL WKAHKKLTRSALLLGIRDSMEPVVEQLTQEFCEMRMQPGTPVAIEEEFSLTCSIIC YLTFGDKIKDDNLMPAYYKCIQEV LKTWSHWSIQIVDVIPFLRFFPNPGLRRLKQAI EK RDHIVEMQLRQHKESLVAGQWRDMDYMLQGVAQPSMEEGSGQLLEGHVHMAA VDLLIGGTETTANTLSWAVVFL LHHPEIQRLQEELDHELPGGASSSRVPYKDRARL PLL NATIAEVLRLRPV VPLALPHRTTRPSSISGYDIPEGTVIIPNLQGAHLDET VWERP HEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLELFVVLTRLLQAFTLLPSGDAL PSLQPLPHCSVILKMQPFQVRLQPRGMGAHSPGQNQ

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Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	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°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name	CYP21A2 cytochrome P450, family 21, subfamily A, polypeptide 2 [Homo sapiens]
Official Symbol	CYP21A2
Synonyms	CYP21A2; cytochrome P450, family 21, subfamily A, polypeptide 2; CYP21, CYP21B, cytochrome P450, subfamily XXIA (steroid 21 hydroxylase, congenital adrenal hyperplasia), polypeptide 2; steroid 21-hydroxylase; CA21H; CAH1; CPS1; P450c21B; Steroid 21 monooxygenase; 21-OHase; cytochrome P450 21; cytochrome P450 XXI; cytochrome P450-C21B; steroid 21-monooxygenase; cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, congenital adrenal hyperplasia), polypeptide 2; CYP21; CYP21B; MGC150536; MGC150537;
Gene ID	1589
mRNA Refseq	NM_000500
Protein Refseq	NP_000491
MIM	613815

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UniProt ID

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