

Recombinant Human Steroid 21-hydroxylase(CYP21A2)

Catalog No: #AP70223

Package Size: #AP70223-1 20ug #AP70223-2 100ug #AP70223-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Steroid 21-hydroxylase(CYP21A2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-494aSequence Info:Full Length
Other Names	21-OHaseCytochrome P-450c21Cytochrome P450 21Cytochrome P450 XXICytochrome P450-C21Cytochrome P450-C21B
Accession No.	P08686
Calculated MW	59.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MLLLGLLLLPLLAGARLLWNWWKLRSLHLPPLAPGFLHLLQPDLPYLLGLTQKFGPIYRLHLGLQDVVVLNSKR TIEEAMVKKWADFAGRPEPLTYKLVSKNYPDLSLGDYSLWKAHKKLRSALLGIRDSMEPVVEQLTQEFCE RMRAQPGTPVAIEEEFSLTCSIICYLTFGDKIKDDNLMPAYKCIQEVKLTWSHWSIQIVDVIPFLRFFPNPGLR RLKQAIKRDHIVEMQLRQHKESLVAGQWRDMDYMLQGVQAQPSMEEGSGQLLEGHVHMAAVDLLIGGTET TANTLSWAVVFLHHPEIQRLQEELDHLPYGASSSRVPYKDRARLPLLNATIAEVLRLRPVVPLALPHRTTR PSSISGYDIPEGTVIIPNLQGAHLDETWERPHEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLELFVVL RLLQAFTLLPSGDALPSLQPLPHCSVILKMQPFQVRLQPRGMGAHSPGQNG
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.

References

Phenotype-genotype correlations of 13 rare CYP21A2 mutations detected in 46 patients affected with 21-hydroxylase deficiency and in one carrier.Tardy V., Menassa R., Sulmont V., Lienhardt-Roussie A., Lecoindre C., Brauner R., David M., Morel Y.J. Clin. Endocrinol. Metab. 95:1288-1300(2010)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.