

Product datasheet

Recombinant Human CYP21A2 protein (His tag)
ab225641

1 Image

Description

Product name	Recombinant Human CYP21A2 protein (His tag)
Purity	> 90 % SDS-PAGE.
Expression system	Yeast
Accession	P08686
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MLLLGLLLLPLLAGARLLWNWWKLRSLHLPPLAPGFLHLL QPDLPIYLLG LTQKFGPIYRLHLGLQDVVVLNSKRTEEAMVKKWADFAG RPEPLTYKLV SKNYPDLSLGDYSLLWKAHKKLTRSALLLGRDSMEPVVE QLTQEFCERM RAQPGTPVAIEEEFSLLTCSIICYLTFGDKIKDDNLMPAYYK CIQEVLKT WSHWSIQIVDVIPFLRFFPNPGLRRLKQAIKRDHIVEMQL RQHKESLVA GQWRDMMDYMLQGVAQPSMEEGSGQLLEGHVHMAAVD LLIGGTETTANTL SWAVVFLHHPFIQQLQEELDHELPGASSSRVPYKDR ARLPLLNTIA EVLRLRPVVPLALPHRTTRPSSISGYDIPEGTVIIPNLQGAH LDETVER PHEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLELF VVLTRLLQAFT LLPSGDALPSLQPLPHCSVILKMOPFQVRLQPRGMGAHS PGQNQ</p>
Predicted molecular weight	58 kDa including tags
Amino acids	1 to 494
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab225641** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer

General Info

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

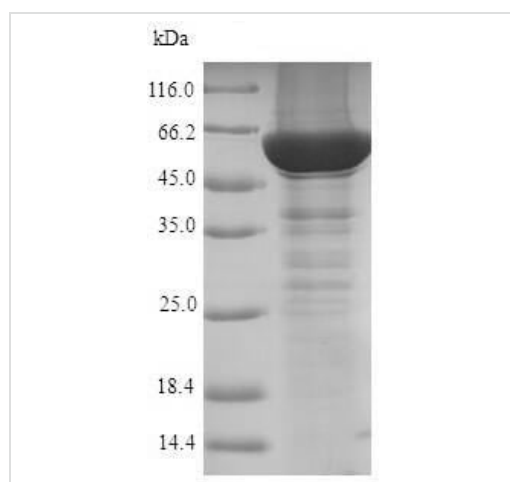
Involvement in disease Adrenal hyperplasia 3

Sequence similarities Belongs to the cytochrome P450 family.

Domain The leucine-rich hydrophobic amino acid N-terminal region probably helps to anchor the protein to the microsomal membrane.

Cellular localization Endoplasmic reticulum membrane. Microsome membrane.

Images



SDS-PAGE - Recombinant Human CYP21A2 protein (His tag) (ab225641)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab225641 with 5% enrichment gel and 15% separation gel.

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