Cytochrome P450 4f22 (CYP4F22) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome P450 4F22 (CYP4F22), Recombinant Protein
Full Product Name	Recombinant Human Cytochrome P450 4F22 (CYP4F22)
Product Gene Name	CYP4F22 recombinant protein
Product Synonym Gene Name	CYP4F22
Sequence	MLPITDRLLH LLGLEKTAFR IYAVSTLLLF LLFFLFRLLL RFLRLCRSFY ITCRRLRCFP QPPRRNWLLG HLGMYLPNEA GLQDEKKVLD NMHHVLLVWM GPVLPLLVLV HPDYIKPLLG ASAAIAPKDD LFYGFLKPWL GDGLLLSKGD KWSRHRRLLT PAFHFDILKP YMKIFNQSAD IMHAKWRHLA EGSAVSLDMF EHISLMTLDS LQKCVFSYNS NCQEKMSDYI SAIIELSALS VRRQYRLHHY LDFIYYRSAD GRRFRQACDM VHHFTTEVIQ ERRRALRQQG AEAWLKAKQG KTLDFIDVLL LARDEDGKEL SDEDIRAEAD TFMFEGHDTT SSGISWMLFN LAKYPEYQEK CREEIQEVMK GRELEELEWD DLTQLPFTTM CIKESLRQYP PVTLVSRQCT EDIKLPDGRI IPKGIICLVS IYGTHHNPTV WPDSKVYNPY RFDPDNPQQR SPLAYVPFSA GPRNCIGQSF AMAELRVVVA LTLLRFRLSV DRTRKVRRKP ELILRTENGL WLKVEPLPPR A
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	61,958 Da
Sequence Positions	1-531, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	604777
3D Structure	ModBase 3D Structure for Q6NT55
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP4F22 recombinant protein	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This gene is part of a cluster of cytochrome P450 genes on chromosome 19 and encodes an enzyme thought to play a role in the 12(R)-lipoxygenase pathway. Mutations in this gene are the cause of ichthyosis lamellar type 3.
Other Notes	Small volumes of CYP4F22 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CYP4F22 purchase	MBS1352439 is a recombinant protein targeting CYP4F22. Also known as Recombinant Human Cytochrome P450 4F22 (CYP4F22). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYP4F22. It may not necessarily be applicable to this product.

NCBI GI #	158138530
NCBI GeneID	126410
NCBI Accession #	NP_775754.2
UniProt Primary Accession #	Q6NT55
UniProt Secondary Accession #	Q8N8H4
UniProt Related Accession #	Q6NT55
GenBank Nucleotide #	NM_173483.3
NCBI Official Full Name	cytochrome P450 4F22
NCBI Official Synonym Full Names	cytochrome P450 family 4 subfamily F member 22
NCBI Official Symbol	CYP4F22
NCBI Official Synonym Symbols	LI3; ARCI5; INLNE
UniProt Protein Name	Cytochrome P450 4F22
Protein Family	Cytochrome
UniProt Gene Name	CYP4F22
NCBI Protein Information	cytochrome P450 4F22
Research Articles on CYP4F22	**1.** patients carrying one or two truncating CYP4F22 mutations affecting the SBRs tend to develop collodion membrane at birth
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/cytochrome-p450-4f22-cyp4f22/1352439