

Cytochrome P450 2A6 (CYP2A6) Recombinant Protein | CYP2A6 recombinant protein

Recombinant Human Cytochrome P450 2A6 (CYP2A6), partial

CATALOG #
AAA113436

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Cytochrome P450 2A6 (CYP2A6); Recombinant Human Cytochrome P450 2A6 (CYP2A6); partial; CYP2A6 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	29-494aa; Partial
Sequence	SKGKLPPGPT PLPFIGNYLQ LNTEQMYNSL MKISERYGPV FTIHLGPRRV VVLCGHDAVR EALVDQAE EF SGRGEQATFD WVFKEYGVVF SNGERAKQLR RFSIATLRDF GVGKRGIEER IQEEAGFLID ALRGTGGANI DPTFFLSRTV SNVISSIVFG DRFDYKDKEF LSLLRMMLGI FQFTSTSTGQ LYEMFSSVMK HLPGPQQAF QLLQGLEDFI AKKVEHNQRT LDPNSPRDFI DSFLIRMQEE EKNPNTEFYL KNLMVMTTLNL FIGGTETVST TLRYGFLLLM KHPEVEAKVH EEIDRVIGKN RQPKFEDRAK MPYMEAVIHE IQRFGDVIPM SLARRVKKDT KFRDFFLPKG TEVYPMLGSV LRDPSFFSNP QDFNPQHFLN EKGQFKKSDA FVPFSIGKRN CFGEGLARME LFLFFTVMQ NFRLKSSQSP KDIDVSPKHV GFATIPRNYT MSFLPR
Species	Human
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.

ADDITIONAL INFORMATION

Related Product Information for CYP2A6 recombinant protein

This gene, CYP2A6, 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 protein localizes to the endoplasmic reticulum and its expression is induced by phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 10q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189339233
NCBI GeneID	1548
NCBI Accession #	NP_000753.3
NCBI GenBank Nucleotide #	NM_000762.5
UniProt Accession #	P11509; P00190; P10890; Q16803; Q4VAT9; Q4VAU0; Q4VAU1; Q9H1Z7; Q9UCU0; Q9UK48; A7YAE5; B2R7F6
Molecular Weight	60.8 kDa
NCBI Official Full Name	cytochrome P450 2A6

NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily A member 6
NCBI Official Symbol	CYP2A6
NCBI Official Synonym Symbols	CPA6; CYP2A; CYP2A3; P450PB; CYP11A6; P450C2A
NCBI Protein Information	cytochrome P450 2A6
UniProt Protein Name	Cytochrome P450 2A6
UniProt Gene Name	CYP2A6
UniProt Synonym Gene Names	CYP2A3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cyp2a6-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113436>