

Cytochrome P450 2C19 (CYP2C19) Recombinant Protein | CYP2C19 recombinant protein

Recombinant Human Cytochrome P450 2C19 (CYP2C19)

CATALOG #
AAA81697

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Cytochrome P450 2C19 (CYP2C19); Recombinant Human Cytochrome P450 2C19 (CYP2C19); CYP2C19 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	26-490aa; Full Length of Mature Protein
Sequence	RGKLPPGPTP LPVIGNILQI DIKDVSKSLT NLSKIYGPVF TLYFGLERMV VLHGYEVVKE ALIDLGEEDS GRGHFPLAER ANRGFGIVFS NGKRWKEIRR FSLMTLRNFG MGKRSIEDRV QEEARCLVEE LRKTKASPCD PTFILGCAPC NVICSIIQK RFDYKDQQFL NLMEKLNENI RIVSTPWIQI CNNFPTIIDY FPGTHNKLLK NLAFMESDIL EKVKEHQESM DINNPRDFID CFLIKMEKEK QNQQSEFTIE NLVITAADLL GAGTETTSTT LRYALLLLK HPEVTAKVQE EIERVVGRNR SPCMQDRGHM PYTDAVVHEV QRYIDLPTS LPHAVTCDVK FRNYLIPKGT TILTSLSVL HDNKEFPNPE MFDPRHFLDE GGNFKKSNFY MPFSAGKRIC VGEGLARMEL FLFLTILQN FNLKSLIDPK DLDTPVVNG FASVPPFYQL CFIPV
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 CYP2C19 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 protein localizes to the endoplasmic reticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503219
NCBI GeneID	1557
NCBI Accession #	NP_000760.1
NCBI GenBank Nucleotide #	NM_000769.3
UniProt Accession #	P33261 ; P33259 ; Q8WZB1 ; Q8WZB2 ; Q9UCD4
Molecular Weight	60.6 kDa
NCBI Official Full Name	cytochrome P450 2C19

UniProt Protein Name	Cytochrome P450 2C19
UniProt Gene Name	CYP2C19

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.

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Online datasheet: <https://stage.aaabiotech.com/cyp2c19-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/81697>