

Cytochrome P450 1A1 (CYP1A1) Recombinant Protein | CYP1A1 recombinant protein

Recombinant Human Cytochrome P450 1A1 (CYP1A1)

CATALOG # AAA114086	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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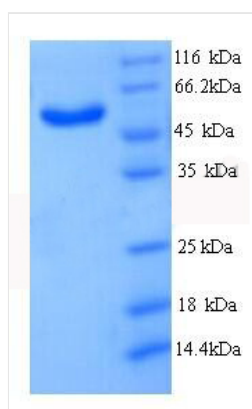
PRODUCT SYNONYMS

Cytochrome P450 1A1 (CYP1A1); Recombinant Human Cytochrome P450 1A1 (CYP1A1); CYP1A1 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	1-512aa; Full Length
Sequence	MLFPISMSAT EFLASVIFC LVFWVIRASR PQVPKGLKNP PGPWGWPLIG HMLTLGKNPH LALSRRMSQQY GDVLQIRIGS TPVVVLSGLD TIRQALVRQG DDFKGRPDLY TFTLISNGQS MSFSPDSGPV WAARRRLAQN GLKSFSIASD PASSTSCYLE EHVSKEAEVL ISTLQELMAG PGHFNPYRYV VSVTNVICA ICFGRRYDHN HQELLSLVNL NNNFGEVVGS GNPADFIPIL RYLPNPSLNA FKDLNEKFYS FMQKMVKEHY KTFEKGHIRD ITDSLIEHCQ EKQLDENANV QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV IGRSRRPRLS DRSHLPYMEA FILETFRHSS FVPFTIPHST TRDTSKGFY IPKGRCVFN QWQINHDQKL WVNPFSEFLPE RFLTPDGAID KVLSEKVIIF GMGKRKCIGE TIARWEVFLF LAILLQRFVEF SVPLGVKVDV MPIYGLTMKH ACCEHFQMQQL RS
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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CYP1A1 recombinant protein	This gene, CYP1A1, 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 some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503199
NCBI GeneID	1543
NCBI Accession #	NP_000490.1
NCBI GenBank Nucleotide #	NM_000499.4
UniProt Accession #	P04798; Q53G18; A4F3V9; A4F3W0
Molecular Weight	63.7 kDa
NCBI Official Full Name	cytochrome P450 1A1 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily A member 1
NCBI Official Symbol	CYP1A1
NCBI Official Synonym Symbols	AHH; AHRR; CP11; CYP1; CYP1A1; P1-450; P450-C; P450DX
NCBI Protein Information	cytochrome P450 1A1
UniProt Protein Name	Cytochrome P450 1A1
UniProt Gene Name	CYP1A1

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://www.aaabiotech.com/cyp1a1-recombinant-protein-e-coli/114086>