

Cytochrome P450 1A2 (CYP1A2) Recombinant Protein | CYP1A2 recombinant protein

Recombinant Cytochrome P450 1A2 (CYP1A2)

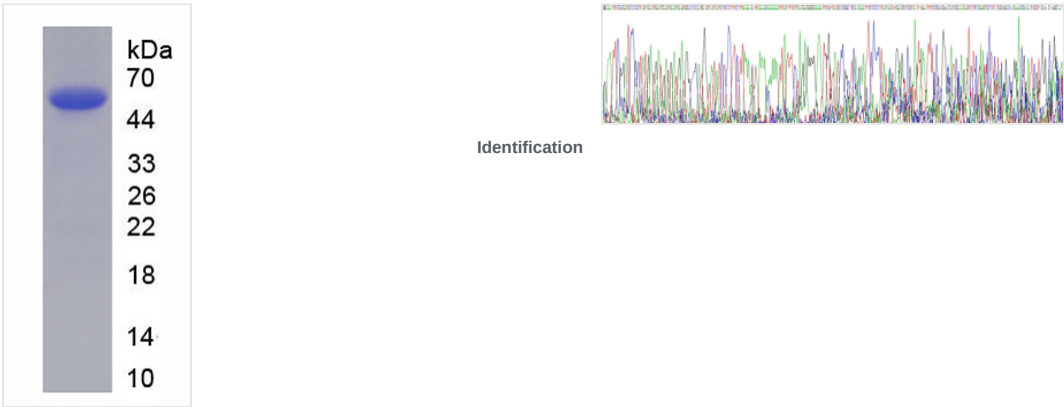
CATALOG # AAA134616	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Cytochrome P450 1A2 (CYP1A2); Recombinant Cytochrome P450 1A2 (CYP1A2); CYP1A2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for CYP1A2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala2~Ser231
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	8.0
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE

Figure by SDS_PAGE

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ALSQSVFFS ATELLASAI FCLVFWLKG LRPRVPKGLK SPPEPWGWL  
LGHVLTGKN PHLALSRMSQ RYGDVLQIRI GSTPVLVLSR LDTIRQALVR  
QGDDFKGRPD LYTSTLITDG QSLTFSTDG PVWAARRRLA QNALNTFSIA  
SDPASSSSCY LEEHVSKEAK ALISRLQELN AGPGHFDPNV QVVVSANVI  
GAMCFGQHFP ESSDEMLSLV KNTHEFVETA S
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	73915100
NCBI GeneID	1544
NCBI Accession #	NP_000752.2
NCBI GenBank Nucleotide #	NM_000761.4
UniProt Accession #	P05177; Q16754; Q6NWU5; Q9BXX7; Q9UK49
Molecular Weight	Predicted Molecular Mass: 55.2kDa Accurate Molecular Mass: 55kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	cytochrome P450 1A2
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily A, polypeptide 2
NCBI Official Symbol	CYP1A2
NCBI Official Synonym Symbols	CP12; P3-450; P450(PA)
NCBI Protein Information	cytochrome P450 1A2; CYPIA2; P450 form 4; cytochrome P450 4; cytochrome P(3)450; cytochrome P450-P3; dioxin-inducible P3-450; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2
UniProt Protein Name	Cytochrome P450 1A2
UniProt Gene Name	CYP1A2
UniProt Entry Name	CP1A2_HUMAN

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.