

Cytochrome P450 24A1 (CYP24A1) Recombinant Protein | CYP24A1 recombinant protein

Recombinant Cytochrome P450 24A1 (CYP24A1)

CATALOG # AAA135542	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Cytochrome P450 24A1 (CYP24A1); Recombinant Cytochrome P450 24A1 (CYP24A1); CYP24A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow. MGSSHHHHH HSSGLVPRGS HMASMTGGQQ MGRGSEF-HK RLNTKVWQAH TLAWDTIFKS VKPCIDHRLE RYSQQPGADF LCDIYQQDHL SKKELYAAVT ELQLAAVETT ANSLMWILYN LSRNPQVQQR LLREIQSVLP DNQTPRAEDV RNMPYLKACL KESMRLTPSV PFTTRTLDKP TVLGEYTLPK GTVLTNTQV LGSSEDNFED ADKFRPERWL EKEKKINPFA HLPFGVGKRM CIGRRLAELQ LHLALCWIIQ KYNIVATDSE PVEMLHLGIL VPSRELPIAF CPR
Sequence Length	514
Applicable Applications for CYP24A1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	His260~Arg514 (Accession # Q64441) with two N-terminal Tags, His-tag and T7-tag
Subcellular Location	Mitochondrion
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	8.9
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and 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 of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753572
NCBI GeneID	13081
NCBI Accession #	NP_034126.1
NCBI GenBank Nucleotide #	NM_009996.3
UniProt Accession #	Q64441
Molecular Weight	33.2kDa
NCBI Official Full Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 24, subfamily a, polypeptide 1
NCBI Official Symbol	Cyp24a1
NCBI Official Synonym Symbols	CP24; Cyp24; 24-OHase
NCBI Protein Information	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial; 1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial; cytochrome P450, 24; cytochrome P450 24A1; cytochrome P450-CC24; cytochrome P450, 24a1; vitamin D(3) 24-hydroxylase; 25-hydroxyvitamin D-24-hydroxylase
UniProt Protein Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
UniProt Gene Name	Cyp24a1
UniProt Synonym Gene Names	Cyp-24; Cyp24; 24-OHase
UniProt Entry Name	CP24A_MOUSE

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/cyp24a1-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/135542>