

Cytochrome P450 7A1 (CYP7A1) Recombinant Protein | CYP7A1 recombinant protein

Recombinant Cytochrome P450 7A1 (CYP7A1)

CATALOG # AAA135513	HOST E Coli	REACTIVITY Organism: Mus musculus (Mouse)	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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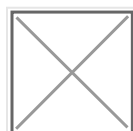
PRODUCT SYNONYMS

Cytochrome P450 7A1 (CYP7A1); Recombinant Cytochrome P450 7A1 (CYP7A1); CYP7A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Organism: Mus musculus (Mouse)
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-LF KTAHKARERL AESLKHKNLY MRDQVSELIR LRMFLNDTLS TFDDMEKAKT HLVILWASQA NTIPATFWSL FQMIRSPEAM KAASEEVNGA LQSAGQELSS GGNAIYLDQE QLNNLPVLDS IIKEALRLSS ASLNIRTAKE DFTLHLEDGS YNIRKDDIIA LYPQLMHLDP EIYPDPLTFK YDRYLDESGK AKTTFYRNGN KLKYFYMPFG SGATICPGRL FAVQEIKQFL ILMLSYFEL
Sequence Length	503
Applicable Applications for CYP7A1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Expression System	Prokaryotic expression
Residues	Leu227~Leu467 (Accession # Q64505) with two N-terminal Tags, His-tag and T7-tag
Subcellular Location	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane
Endotoxin Level	less than 1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	6.9
Reconstitution	Reconstitute in ddH2O
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 #	31542445
NCBI GeneID	13122
NCBI Accession #	NP_031850.2
NCBI GenBank Nucleotide #	NM_007824.2
UniProt Accession #	Q64505; Q8BFR7
Molecular Weight	31.5kDa
NCBI Official Full Name	cholesterol 7-alpha-monooxygenase
NCBI Official Synonym Full Names	cytochrome P450, family 7, subfamily a, polypeptide 1
NCBI Official Symbol	Cyp7a1
NCBI Protein Information	cholesterol 7-alpha-monooxygenase; CYPVII; cytochrome P450 7A1; cytochrome P450, 7a1; cholesterol 7 alpha hydroxylase; cholesterol 7-alpha-hydroxylase
UniProt Protein Name	Cholesterol 7-alpha-monooxygenase
UniProt Gene Name	Cyp7a1
UniProt Synonym Gene Names	Cyp7
UniProt Entry Name	CP7A1_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.

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Online datasheet: <https://stage.aaabiotech.com/cyp7a1-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/135513>