

Cytochrome P450 27A1 (CYP27A1) Recombinant Protein | CYP27A1 recombinant protein

Recombinant Cytochrome P450 27A1 (CYP27A1)

CATALOG # AAA153586	HOST E coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Cytochrome P450 27A1 (CYP27A1); Recombinant Cytochrome P450 27A1 (CYP27A1); Cytochrome P450 27A1; CYP27A1 recombinant protein (prokaryotic); Human; CP27; CTX; CYP27; Sterol 27-Hydroxylase; Cerebrotendinous Xanthomatosis; Vitamin D(3) 25-hydroxylase; 5-beta-cholestane-3-alpha; 7-alpha; 12-alpha-triol 27-hydroxylase; CYP27A1 recombinant protein

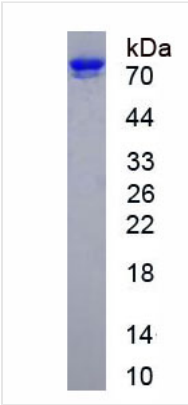
PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Ala34~Cys531
Applicable Applications for CYP27A1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Expression System	Prokaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	8.4
Subcellular Location	Membrane
Research Area	Metabolic pathway
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES

ALPSKATGAPGAGPVRRRRSLEETPRGLQRRFFQLFVGGTALQLHQLVLYEANTGPRWMSYLGPMHYNLASAPLE
QVMSGRSTTPRNDMLRKEHSQHELTGFPFTTECHNVLQALNRLATPAAALTDAPNEVDIOPNRLQLRAESA
SGNVSIMAAFTYFALEACITLFFERLCLASCPSTVTFVWSTGLFQSLTATPFSWTEPVLFPWNTLQHWAIT
SPGKLTIDKLEDMEAQLQAAGPDGIGVSCYLHPLLASQQLSPREANGSLPELLMAGVDTTSNTLTWALYHLSKDPETQAL
HEEYGVYPAGVPGHDFAHMPLLKAVLETLRLTPVPTNSKIIEKEIEVDGFLFPKNTQVFPCHYVYSKPTAFSEPS
PQPBWLNSGPAFTRIQHFGSVYFOTVRACLGRRIAEMLLLALLIQETVYLAFTGELKSVAIVLVPNAVQLQ
FLQRQC

Amino Acid Info



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for CYP27A1 recombinant protein	Prokaryotic proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503211
NCBI GeneID	1593
NCBI Accession #	NP_000775.1
NCBI GenBank Nucleotide #	NM_000784.3
UniProt Accession #	Q02318; Q6LDB4; Q86YQ6; A8K303
Molecular Weight	60,235 Da
NCBI Official Full Name	sterol 26-hydroxylase, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 27, subfamily A, polypeptide 1
NCBI Official Symbol	CYP27A1
NCBI Official Synonym Symbols	CTX; CP27; CYP27
NCBI Protein Information	sterol 26-hydroxylase, mitochondrial; cytochrome P450 27; sterol 27-hydroxylase; cytochrome P-450C27/25; vitamin D(3) 25-hydroxylase; cholestanetriol 26-monoxygenase; 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol 27-hydroxylase; 5-beta-cholestane-3-al
UniProt Protein Name	Sterol 26-hydroxylase, mitochondrial
UniProt Gene Name	CYP27A1
UniProt Synonym Gene Names	CYP27
UniProt Entry Name	CP27A_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.