

3-ketoacyl-CoA synthase 3 (KCS3), Recombinant Protein

Cat RP01359

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana 3-ketoacyl-CoA synthase 3 (KCS3)

Product Gene Name

KCS3 recombinant protein

Product Synonym Gene Name

KCS3

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

KRDQNCYILD YQCHKPSDDR MVNTQFSGDI ILRNKHLRLN EYKFLKAI VSSGIGEQT YA PRLFFEGREQ
RPTLQDGLSE MEEFYIDTIE KVLKRNKISP SEIDILVVNV SMLNSTPSLS ARIINH YKMR EDIKVFNLT A
MGCSASVISI DIVKNIFKTY KNKLALV VTS ESLSPNWYS GNNRSMILANC LFRSGGCAVL LTNKRSL SRR
AMFKLRCLVR THHGARD DSF NACVQKEDEL GHIGVHLDKT LPKAATRAFI DNLKVITPKI LPVTELLRFM
LCLLLKLR SPSKGSTNVT QAAPKAGVKA GINFKTGIDH FCIHTGGKAV IDAIGYSLDL NEYDLEPARM
TLHRFGNTSA SSLWYVLGYM EAKKRLKRGD RVFMISFGAG FKCNSCVWEV VRDLNVGEAV GNVWNHCINQ
YPPKSILNPF FEKYGWIHEE EDPDTFKMPE GFM

Sequence Positions

26-478, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

54,335 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

3-ketoacyl-CoA synthase

NCBI Accession

NP_172251.1

NCBI GI

15222994

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat RP01359

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1

mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

837286

NCBI Official Full Name

3-ketoacyl-CoA synthase 3

NCBI Official Symbol

KCS3

NCBI Official Synonym Symbols

3-ketoacyl-CoA synthase 3; F24B9.18; F24B9_18

NCBI Protein Information

3-ketoacyl-CoA synthase 3

NCBI Summary

Encodes KCS3, a member of the 3-ketoacyl-CoA synthase family involved in the biosynthesis of VLCFA (very long chain fatty acids).

UniProt Gene Name

KCS3

UniProt Synonym Gene Names

VLCFA condensing enzyme 3

UniProt Protein Name

3-ketoacyl-CoA synthase 3

UniProt Synonym Protein Names

Very long-chain fatty acid condensing enzyme 3

UniProt Primary Accession

Q9LQP8

UniProt Related Accession

Q9LQP8

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