Recombinant Full Length Human AACS Protein, GST-tagged

Cat. No. AACS-744HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AACS full-length ORF (AAH41000.1, 1 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	410 amino acids
Description	Acetoacetyl-CoA synthase (EC 2.3.1.194, NphT7) is an enzyme with systematic name acetyl-CoA:malonyl-CoA C-acetyltransferase (decarboxylating). The enzyme from the soil bacterium Streptomyces sp. CL190 produces acetoacetyl-CoA.
Molecular Mass	72 kDa
AA Sequence	MVCWTGFLKF SQKLIFSVEA VVYNGKEHNH MEKLQQVVKG LPDLKKVVVI PYVSSRENID LSKIPNSVFL DDFLATGTSE QAPQLEFEQL PFSHPLFIMF SSGTTGAPKC MVHSAGGTLI QHLKEHLLHG NMTSSDILLC YTTVGWMMWN WMVSLLATGA AMVLYDGSPL VPTPNVLWDL VDRIGITVLV TGAKWLSVLE EEAMKPVETH SLQMLHTILS TGSPLKAQSY EYVYRCIKSS ILLGSISGGT DIISCFMGHN FSLPVYKGEI QARNLGMAVE AWNEEGKAVW GESGELVCTK PIPCQPTHFW NDENGNKYRK AYFSKFPGIW AHGDYCRINP KTGGIVMLGR SDGTLNPNGV RFGSSEIYNI VYAQRQESGS CRQTDHRWKS RGARRCFLEP RDPGSVPGHP

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AACS acetoacetyl-CoA synthetase [Homo sapiens]
Official Symbol	AACS
Synonyms	AACS; acetoacetyl-CoA synthetase; ACSF1; acyl CoA synthetase family member 1; FLJ12389; SUR 5; protein sur-5 homolog; acetoacetate-CoA ligase; acyl-CoA synthetase family member 1; homolog of C. elegans supressor of ras 5 (sur-5); SUR-5
Gene ID	65985
mRNA Refseq	NM_023928
Protein Refseq	NP_076417
MIM	614364
UniProt ID	Q86V21

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