Recombinant Human AACS Protein, GST-tagged

Cat. No. AACS-008H **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	Wheat Germ
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	MVCWTGFLKFSQKLIFSVEAVVYNGKEHNHMEKLQQVVKGLPDLKKVVVIPYVSSR ENIDLSKIPNSVFLDDFLATGTSEQAPQLEFEQLPFSHPLFIMFSSGTTGAPKCMVHS AGGTLIQHLKEHLLHGNMTSSDILLCYTTVGWMMWNWMVSLLATGAAMVLYDGSP LVPTPNVLWDLVDRIGITVLVTGAKWLSVLEEEAMKPVETHSLQMLHTILSTGSPLKA QSYEYVYRCIKSSILLGSISGGTDIISCFMGHNFSLPVYKGEIQARNLGMAVEAWNEE GKAVWGESGELVCTKPIPCQPTHFWNDENGNKYRKAYFSKFPGIWAHGDYCRINP KTGGIVMLGRSDGTLNPNGVRFGSSEIYNIVYAQRQESGSCRQTDHRWKSRGARR CFLEPRDPGSVPGHP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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
	12.5% SDS-PAGE Stained with Coomassie Blue.

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