

Recombinant Human AACS Protein, His-tagged

Cat. No. AACS-03H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AACS Protein (Met1-Ser256) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser256
Description	Predicted to enable acetoacetate-CoA ligase activity. Predicted to be involved in positive regulation of insulin secretion. Predicted to be active in cytosol.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.8 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	AACS acetoacetyl-CoA synthetase [Homo sapiens (human)]
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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