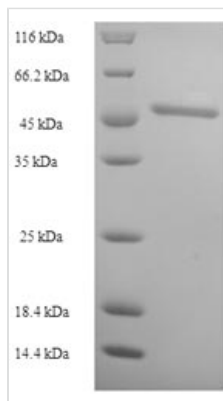




Recombinant Human 3-ketoacyl-CoA thiolase, peroxisomal (ACAA1)

Product Code	CSB-EP001117HU
Abbreviation	Recombinant Human ACAA1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P09110
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LSGAPQASAAADVVVHGRRTAICRAGRGGFKDTTPDELLSAVMTAVLKDVNL RPEQLGDICVGNVLQPGAGAIMARIAQFLSDIPETVPLSTVNRQCSSGLQAVAS IAGGIRNGSYDIGMACGITSENAERFGISREKQDTFALASQQKAARAQSKGC FQAEIVPVTTHVHDDKGTKRSITVTQDEGIRPSTTMEGLAKLKPAFKKDGSTTA GLTVSDVDIFEINEAFASQAAYCVEKLRLPPEKVNPLGGAVLGHPLGCTGAR QVITLLNELKRRGKRAYGVVSMCIGTGMGAAVFEYPGN
Research Area	Metabolism
Source	E.coli
Target Names	ACAA1
Expression Region	27-331aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	47.9kDa
Protein Length	Full Length of Mature Protein of Isoform 2

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

Insertion of the gene encoding the Human ACAA1 protein (27-331aa) into a plasmid vector results in the formation of recombinant plasmid, which is then introduced into e.coli cells. Positive e.coli cells are selected relying on their ability to survive in the presence of a specific antibiotic. The e.coli cells containing the recombinant plasmid are cultured under conditions conducive to the expression of the gene of interest. A N-terminal 6xHis-SUMO tag is attached to the protein. Following expression, the recombinant Human ACAA1 protein is isolated and purified from the cell lysate through affinity purification. The resultant recombinant Human ACAA1 protein is analyzed using denaturing SDS-PAGE, revealing a purity greater than 90%.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.