Recombinant Human ACLY Protein (4-265 aa), His-SUMO-tagged

Cat. No. ACLY-1907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACLY Protein (4-265 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	4-265 aa
Description	ATP citrate-lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. Has a central role in de novo lipid synthesis. In nervous tissue it may be involved in the biosynthesis of acetylcholine.
Form	Tris-based buffer,50% glycerol
Molecular Mass	45.5 kDa
AA Sequence	KAISEQTGKELLYKFICTTSAIQNRFKYARVTPDTDWARLLQDHPWLLSQNLVVKPD QLIKRRGKLGLVGVNLTLDGVKSWLKPRLGQEATVGKATGFLKNFLIEPFVPHSQAE EFYVCIYATREGDYVLFHHEGGVDVGDVDAKAQKLLVGVDEKLNPEDIKKHLLVHAP EDKKEILASFISGLFNFYEDLYFTYLEINPLVVTKDGVYVLDLAAKVDATADYICKVKW GDIEFPPPFGREAYPEEAYIADLDAKSGASLK

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	ACLY ATP citrate lyase [Homo sapiens]
Official Symbol	ACLY
Synonyms	ACLY; ATP citrate lyase; ATP-citrate synthase; ACL; ATPCL; CLATP;
Gene ID	47
mRNA Refseq	NM_001096
Protein Refseq	NP_001087
MIM	108728
UniProt ID	P53396

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