

Product datasheet for TP511618

Acly (NM_134037) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATP citrate lyase (Acly), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR211618 representing NM_134037
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSAKAISEQTGKELLYKYICTTSAIQNRFKYARVTPD TDWAHLLQDHPWLLSQSLVWKP DQLIKRRGKLG
LVGVNLSLDGVKSWLKPRLGHEATVGKAKGFLKNFLIEFPVPHSQAEFFVCIYATREGDYVLFHHEGGV
DVGDVDAKAQKLLVGVDEKLNTE DIKRHLLVHAPEDKKEVLASFISGLFNFYEDLYFTYLEINPLVVTKD
GVYILDAAKVDATADYICKVKWGDIEFPPFPGREAYPEEAYIADLDAKSGASLKLTLNPKGRIWTVMA
GGGASVWYSDTICDLGGVNELANYGEYS GAPSEQQTYDYAKTILSLMTREKHPEGKILIIIGGSIANFTNV
AATFKGIVRAIRDYQGPKLKEHEVTIFVRRGGPNYQEGLRVMGEVGGKTTGIPIHVFGE TETHMTAIVGMALG
HRIPNPQPTAAHTANFLNASGSTSTPAPSRTASFESRADEVAPAKKAKPAMPQGKSATLFSRHTKAI
VWGMQTRAVQGMLDFDYVCSRDEPSVAAMVYPFTGDHKQKFYWG HKEILIPVFKNMADAMKKHPEVDVLI
NFASLR SAYDSTMETMNYAQIR TIAIIAEGIPEALTRKLIKKADQKGVTIIGPATVGGIKPGCFKIGNTG
GMLDNILASKLYRPGSVAYVSRGGMSNELNIIISRTTDGVYEGVAIGGD RYPGSTFMDHVLRYQDTPGV
KMIVVLGEIGGTEEYKICRGIKEGRLTKPVVCWICIGTCATMFSSEVQFGHAGACANQAS ETAVAKNQALK
EAGVFVPRSFDELGEIIQSVYEDLVAKGAIVPAQEVPPTVPM DYSWARELGLIRKPASFMTSICDERGQ
ELIYAGMPITEVFKEEMGIGGVLG LLWFQRRLPKYSCQFIEMCLMVTADHGPAVSGAHNTIICARAGKDL
VSSLTSGLLTIGDRFGGALDAAAKMFSKAFDSGIIPMEFVNKMKKEGKLIMGIGHRVKSINNPDMRVQIL
KDFVKQHFPATPLLDYALEVEKITT SKPNLILNVDGFIGVAFVDMLRNCGSFTREEADEYVDIGALNGI
FVLGRSMGFIGHYLDQKRLKQGLYRHPWDDISYVLP EHMMSM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	120.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_598798
Locus ID:	104112
UniProt ID:	Q91V92
RefSeq Size:	4408
Cytogenetics:	11 D
RefSeq ORF:	3273
Synonyms:	A730098H14Rik; AW538652
Summary:	ATP-citrate synthase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. Has a central role in de novo lipid synthesis (PubMed:25450640). In nervous tissue it may be involved in the biosynthesis of acetylcholine (By similarity) (PubMed:25450640). [UniProtKB/Swiss-Prot Function]