

Product datasheet for **TP507397**

Sucla2 (NM_011506) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse succinate-Coenzyme A ligase, ADP-forming, beta subunit (Sucla2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207397 protein sequence Red =Cloning site Green =Tags(s)

MAASMFYGRQLAAAAALRSHRPQTTLRAAAQVLGNSGLFNKHGLQVQQQQRTLSLHEYLSMELLQEAGVS
VPKGFVAKSSDEAYAIAKKLGSKDVVIKAQVLAGGRGKGTFTSGLKGGVKIVFSPEEAKAVSSQMIGQKL
ITKQTGEKGRICNQLVCERKYPREYYFAITMERSFQGPVLIQSAQGGVNIEDVAAENPEAIVKEPIDI
VEGIKKEQAVTLAQKMGFSPNIVDSAAENMIKLYNLFLKYDATMVEINPMVEDSDGKVLCCMDAKINFDSN
SAYRQKKIFDLQDWSQEDERDKEAANADINYIGLDGSIGCLVNGAGLAMATMDIILHGGTPANFLDVGG
GATVQQVTEAFKLITSDKKVQAILVNIFGGIMRCDVIAQGIVMAVKDLEIRIPVVRLQGTRVDDAKALI
ADSGLKILACDDLDEAAKMVVKLSEIVTLAKEAHVDVKFQLPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	50.1 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
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_035636
Locus ID:	20916



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UniProt ID:	Q9Z2I9
RefSeq Size:	2108
Cytogenetics:	14 D3
RefSeq ORF:	1392
Synonyms:	4930547K18Rik; A-SCS
Summary:	ATP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of ATP and thus represents the only step of substrate-level phosphorylation in the TCA. The beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit.[UniProtKB/Swiss-Prot Function]