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Product datasheet for TP518965

Sdhaf3 (NM_001077713) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse succinate dehydrogenase complex assembly factor 3 (Sdhaf3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218965 representing NM_001077713 Red=Cloning site Green=Tags(s) MPGKHVSRVRALYRRILLLHRALPPDLKALGDQYVKDEFRRHKTVGPGEAQRFLKEWETYAAVLWQQAED SRQSSTGKACFGTSLPEEKLNDFRDEQIGQLQELMQEATKPNRQFSITESTKPQL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	14.9 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_001071181
Locus ID:	71238
UniProt ID:	Q8BQU3, Q0VF92
RefSeq Size:	550
Cytogenetics:	6 A1
RefSeq ORF:	375

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Synonyms: 0610005M07Rik; 4933430A16Rik; Acn9

Summary: Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit Sdhb of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1.[UniProtKB/Swiss-Prot Function]