

Recombinant Mouse Sdhaf4 Protein, Myc/DDK-tagged

Cat. No. Sdhaf4-5733M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length succinate dehydrogenase complex assembly factor 4 (Sdhaf4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Binds to the flavoprotein subunit Sdha in its FAD-bound form, blocking the generation of excess reactive oxygen species (ROS) and facilitating its assembly with the iron-sulfur protein subunit Sdhb into the SDH catalytic dimer.
Molecular Mass	11.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Sdhaf4 succinate dehydrogenase complex assembly factor 4 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Sdhaf4](#)

Synonyms Sdhaf4; succinate dehydrogenase complex assembly factor 4; C6orf57; 1110058L19Rik; 1700001E18Rik; succinate dehydrogenase assembly factor 4, mitochondrial; SDH assembly factor 4; UPF0369 protein C6orf57 homolog

Gene ID [68002](#)

mRNA Refseq [NM_026503](#)

Protein Refseq [NP_080779](#)

UniProt ID [Q8BTE0](#)

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