

## Product datasheet for **TP304626L**

### ACN9 (SDHAF3) (NM\_020186) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ACN9 homolog ( <i>S. cerevisiae</i> ) (ACN9), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204626 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MPGRHVSRRVRLYKRVLQLHRVLPDLKSLGDQYVKDEFRRHKTVGSDEAQRFLQEWVYATALLQQANE NRQNSTGKACFGTFLPEEKLNDFRDEQIGQLQELMQEATKPNRQFSISESMKPKF
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	14.5 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_064571</a>
Locus ID:	57001
UniProt ID:	<a href="#">Q9NRP4</a>
RefSeq Size:	2068
Cytogenetics:	7q21.3



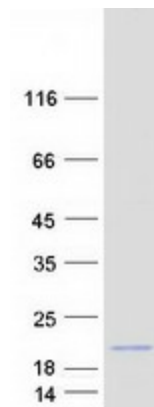
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RefSeq ORF: 375

Synonyms: ACN9; DC11; LYRM10; Sdh7

**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]

### Product images:



Coomassie blue staining of purified SDHAF3 protein (Cat# [TP304626]). The protein was produced from HEK293T cells transfected with SDHAF3 cDNA clone (Cat# [RC204626]) using MegaTran 2.0 (Cat# [TT210002]).