

Product datasheet for PH304626

ACN9 (SDHAF3) (NM_020186) Human Mass Spec Standard

Product data:

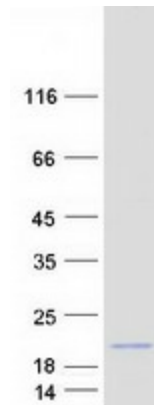
Product Type:	Mass Spec Standards
Description:	ACN9 MS Standard C13 and N15-labeled recombinant protein (NP_064571)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204626
Predicted MW:	14.7 kDa
Protein Sequence:	>RC204626 protein sequence Red =Cloning site Green =Tags(s) MPGRHVSRRVRLYKRVLQLHRVLPDDLKSLGDQYVKDEFRRHKTVGSDEAQRFLQEVVYATALLQQANE NRQNSTGKACFGTFLPEEKLNDFRDEQIGQLQELMQEATKPNRQFSISESMKPKF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_064571
RefSeq Size:	2068
RefSeq ORF:	375
Synonyms:	ACN9; DC11; LYRM10; Sdh7
Locus ID:	57001
UniProt ID:	Q9NRP4
Cytogenetics:	7q21.3



[View online »](#)

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]).