

Succinate Dehydrogenase Complex Assembly Factor 2 Recombinant Protein | SDHAF2 recombinant protein

Recombinant Human Succinate Dehydrogenase Complex Assembly Factor 2

CATALOG # AAA38578	HOST E Coli
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PRODUCT SYNONYMS

Succinate Dehydrogenase Complex Assembly Factor 2; Recombinant Human Succinate Dehydrogenase Complex Assembly Factor 2; SDHAF2 Human; Succinate Dehydrogenase Complex Assembly Factor 2 Human Recombinant; Succinate dehydrogenase assembly factor 2 mitochondrial; SDH assembly factor 2; Succinate dehydrogenase subunit 5; mitochondrial; hSDH5; SDHAF2; C11orf79; PGL2; SDH5; SDHAF2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	SDHAF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% glycerol and 1mM DTT. Sterile Filtered colorless solution.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMGS</u> SFRRFYRGDS PTDSQKDMIE IPLPPWQERT DESIETKRAR LLYESRKRGM LENCILLSLF AKEHLQHMTE KQLNLYDRLI NEPSNDWDIY YWATEAKPAP EIFENEVMAL LRDFAKNKNK EQRLRAPDLE YLFEKPR. u>
Sequence Length	166
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SDHAF2 recombinant protein	Description: SDHAF2 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (30-166 a.a) and having a molecular mass of 19kDa. SDHAF2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Succinate Dehydrogenase Complex Assembly Factor 2 (SDHAF2) is a mitochondrial protein required for the flavination of a succinate dehydrogenase complex subunit essential for activity of the complex. DHAF2 is necessary for insertion of FAD cofactor into SDHA, the catalytic subunit of succinate dehydrogenase (SDH). SDH is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). SDHAF2 gene defects are the cause of hereditary paragangliomas type 2 (PGL2), otherwise known as familial non-chromaffin paragangliomas type 2.
Product Categories/Family for SDHAF2 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923450
NCBI GeneID	54949
NCBI Accession #	NP_060311.1
NCBI GenBank Nucleotide #	NM_017841.2

UniProt Accession #	Q9NX18
Molecular Weight	19,599 Da
NCBI Official Full Name	succinate dehydrogenase assembly factor 2, mitochondrial
NCBI Official Synonym Full Names	succinate dehydrogenase complex assembly factor 2
NCBI Official Symbol	SDHAF2
NCBI Official Synonym Symbols	PGL2; SDH5; C11orf79
NCBI Protein Information	succinate dehydrogenase assembly factor 2, mitochondrial; SDH assembly factor 2; SDHAF2; hSDH5; succinate dehydrogenase subunit 5, mitochondrial
UniProt Protein Name	Succinate dehydrogenase assembly factor 2, mitochondrial
UniProt Gene Name	SDHAF2
UniProt Entry Name	SDHF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sdhaf2-recombinant-protein-e-coli/38578>