
Product Data Sheet

Product Name: SDHAF2 Human

Cat. No.: GP24512

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Succinate dehydrogenase assembly factor 2 mitochondrial; SDH assembly factor 2; Succinate dehydrogenase subunit 5; mitochondrial; hSDH5; SDHAF2; C11orf79; PGL2; SDH5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSFRRFYR GDSPTDSQKD MIEIPLPPWQ ERTDESIETK RARLLYESRK RGMLENCILL SLFAKEHLQH MTEKQLNLYD RLINEPSNDW DIYYWATEAK PAPEIFENEV MALLRDFAKN KNKEQRLRAP DLEYLFKPR.		
Formulation	SDHAF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% glycerol and 1mM DTT.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA