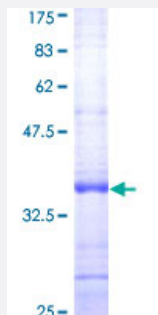


SDHD (Human) Recombinant Protein (Q01)

Catalog # H00006392-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SDHD partial ORF (AAH09574, 57 a.a. - 159 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SGSKAASLHWTSESVSVLLGLLPAAYLNPSCAMDYSLAAALTLHGHWGLGQVVTDYVHGDALQKAAKAGLLALSALTFAGLCYFNYHDVGICKAVAMLWKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.18
Interspecies Antigen Sequence	Rat (91)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SDHD

Entrez GeneID [6392](#)

GeneBank Accession# [BC009574](#)

Protein Accession# [AAH09574](#)

Gene Name SDHD

Gene Alias CBT1, PGL, PGL1, SDH4

Gene Description succinate dehydrogenase complex, subunit D, integral membrane protein

Omim ID [114900](#) [168000](#) [171300](#) [602690](#)

Gene Ontology [Hyperlink](#)

Gene Summary Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The subunit D protein is one of two integral membrane proteins anchoring the complex to the matrix side of the membrane. Mutations in SDHD have been linked to hereditary paraganglioma. [provided by RefSeq]

Other Designations succinate dehydrogenase complex, subunit D|succinate dehydrogenase ubiquinone cytochrome B small subunit

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Abdominal Neoplasms](#)
- [Adrenal Gland Neoplasms](#)
- [Bone Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Body Tumor](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomus Jugulare Tumor](#)
- [Glomus Tumor](#)
- [Hamartoma Syndrome](#)
- [Head and Neck Neoplasms](#)
- [Hippel-Lindau Disease](#)
- [Hyperplasia](#)
- [Infertility](#)

- [Kidney Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 2a](#)
- [Neoplasms](#)
- [Neurofibromatosis](#)
- [Paraganglioma](#)
- [Pheochromocytoma](#)
- [Precancerous Conditions](#)
- [Syndrome](#)
- [Thoracic Neoplasms](#)
- [Thyroid Neoplasms](#)
- [von Hippel-Lindau Disease](#)
- [Von Hippel-Lindau syndrome](#)