

- Now try “NADH ubiquinone” in the Therapeutic Target Database (<http://idrblab.net/ttd/>)
- Did you find SDH?
- Looks like it is there, as T39811.



The screenshot shows the homepage of the Therapeutic Target Database (TTD). The header features the TTD logo (a cluster of orange dots) and the text "Therapeutic Target Database". To the right are logos for BIDD (Bioinformatics and Drug Design group) and IDRBLAB. Below the header is a navigation bar with links: Home, Advanced Search, Target Group, Drug Group, Patient Data, Model & Study, and Download. The main content area has an orange bar that says "Search Whole Database". Below this is a search form with the label "Search for Targets: ?". The search input field contains the text "succinate dehydrogenase". To the right of the input field are "Search" and "Reset" buttons. At the bottom of the search area, there are examples: "Examples: EGFR; Vascular endothelial growth factor; Peramivir; Renal cell carcinoma ...".

- Are there currently any drugs that target SDH?


Therapeutic Target Database



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[Advanced Search](#)
[Target Group](#)
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Target Information

Target General Information	
Target ID	T39811 (Former ID: TTDI01376)
Target Name	Succinate dehydrogenase (SDHD)
Synonyms	Succinate-ubiquinone reductase membrane anchor subunit; Succinate-ubiquinone oxidoreductase cytochrome b small subunit; Succinate dehydrogenase complex subunit D; Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial; SDH4; QPs3; CybS; CII-4
Gene Name	SDHD
Target Type	Literature-reported target [1]
Function	Membrane-anchoring subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).
UniProt ID	DHSD_HUMAN ↗
Sequence	MAVLWRLSAVCGALGGRALLLRTPVVRPAHISAFIQDRPIPEWCGVQHIHLSPSHHSGSK AASLHWTSEVVSVLLGLLPAAYLNPCSAMDYSLAAALTLHGHWGLGQVVTDYVHGDAL QKAAKAGLLALSALTFAGLCYFNYHDVGICKAVAMLWKL
References	
REF 1	Succinate dehydrogenase is a direct target of sirtuin 3 deacetylase activity. PLoS One. 2011;6(8):e23295. ↗

If you find any error in data or bug in web service, please kindly report it to [Dr. Wang](#) and [Dr. Li](#).