

Specifications:

Gene:	<i>h</i> SLC16A2
Accession:	NP_006508
Insert size:	1632bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

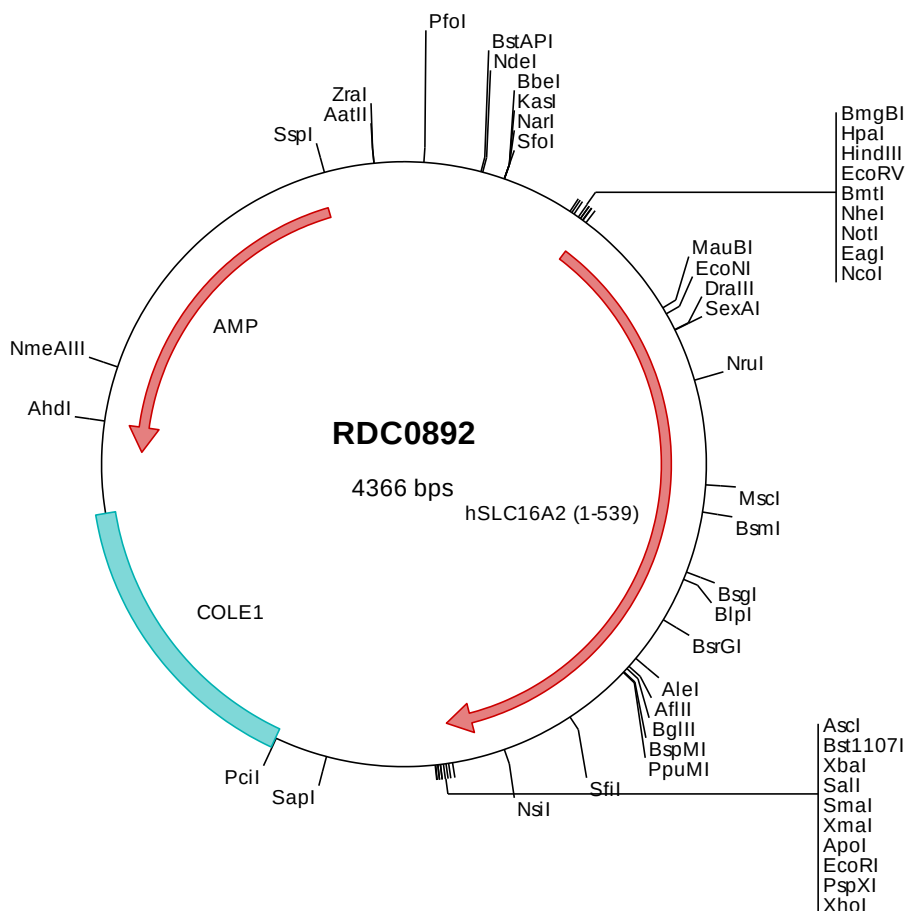
***h*MCT8/SLC16A2 cDNA Plasmid**

SLC16A2 solute carrier family 16, member 2 (thyroid hormone transporter) [*Homo sapiens* (human)]

Also known as: AHDS; MCT7; MCT8; XPCT; MCT 7; MCT 8; MRX22; DXS128; DXS128E

Summary:

SLC16A2 is an integral membrane protein that functions as a transporter of thyroid hormone and stimulates cellular uptake of thyroxine (T4), triiodothyronine (T3), reverse triiodothyronine (rT3), and diiodothyronine (T2). This gene is expressed in many tissues including brain, heart, placenta, lung, kidney, skeletal muscle, and liver. SLC16A2 may play an important role in the development of the central nervous system. Mutations in SLC16A2 are the cause of Allan-Herndon-Dudley syndrome.





> RDC0892 Plasmid DNA Sequence

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> RDC0892 Translated Insert Sequence

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