

Specifications:

Gene:	<i>h</i> SLC16A8
Accession:	NP_037488
Insert size:	1527bp
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.

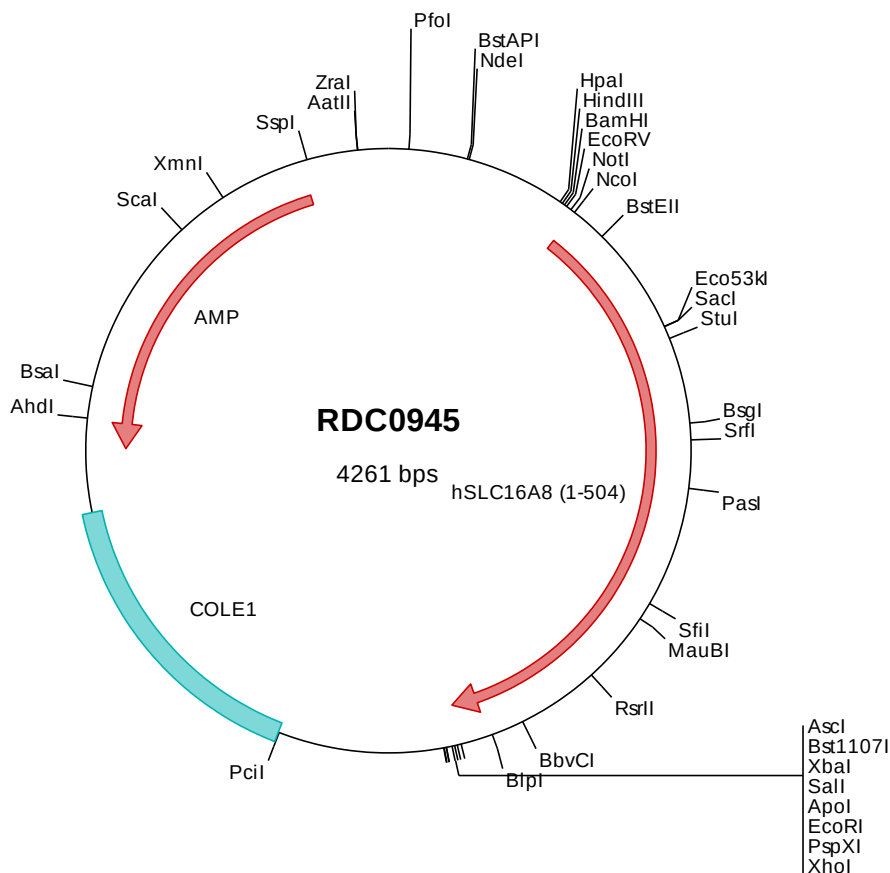
*h*SLC16A8/MCT3 cDNA Plasmid

**SLC16A8 solute carrier family 16
(monocarboxylate transporter),
member 8 [*Homo sapiens*
(human)]**

Also known as: MCT3; REMP

Summary:

SLC16A8 is a member of a family of proton-coupled monocarboxylate transporters. SLC16A8 catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate, and acetate. Expression of SLC16A8 is restricted to the retinal pigment epithelium.





> RDC0945 Plasmid DNA Sequence

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1   tcgcgcggttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgattt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacac atgggcgctg gtggccacag tcggggcgag ggcggccag acggcggtcg
501  gggctgggtg gtgctggggc cctgcttgtt ggtcaccggc ttgcctacag gcttcccaaa agccgtgagc gtcttcttcc ggcgcctcat gcgcgaactc
601  gacgcgggct acagcgacac ggctgggtg ttctccatca tctagccat gctctacggc acgggcccgc tgtccagcat cctcgtgacc cgttttgggt
701  gtgcggcggt gatgctggcg ggtgggtgct tggcttcgcc gggcatgac ctagcttcc tggccacgcg ccttctggag ctctacctga ccgctgggtg
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4101 ttattgtctc atgagcggat acatatattg atgtatttag aaaaataaac aaatagggt tccgcgcaca tttccccgaa aagtgcacc tgacgtctaa
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> RDC0945 Translated Insert Sequence

```
1   mgaggprge gppdgwgv vlacfvvtg faygfpkavs vffralmrdf dagysdtawv ssimlamlyg tgpvssilvt rfgcrpvmla gllasagmi
101  lasfatrlle lytagvltg lglalnfpqs limlgyfer rrplanglaa agspvflsal splgqqler fgwrvgflll gglilhccac gavrppppgp
201  gprprdsag dragdapgea eadgagqlr easprvrpr rlldlavctd rafavyavtk flmalglfvp aillvnyakd agvpdtdaaf llsivgfvdi
301  varpacgala glarlrvhvp ylflslallan gltdlssara rsygalvafc vafglsgvmv galqfevlma avgaprfpsa lglvllveaa avligppasag
401  rlvdvlnknye iifylagsev alagvfmava tncclrcaka apsgpgtegg asdtedaeae gdseplpvva eepgnleale vlsargepte peiearpria
501  aesv
```