

Recombinant Human SLC16A2 Protein

Cat. No. SLC16A2-87H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC16A2 Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	Wheat Germ
Description	This gene encodes an integral membrane protein transporter of thyroid hormone; specifically, cellular importation 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. This gene likely plays an important role in the development of the central nervous system. Loss of function mutations in this gene are associated with psychomotor retardation in males while females exhibit no neurological defects and more moderate thyroid-deficient phenotypes. This gene is subject to X-chromosome inactivation.
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	67.5 kDa
AA Sequence	MGRGGGGGLDVGGGGEGSRDRLSRDGLASWGAEPGGGGSGSGSSSPSSSSCSS RNKYQPQSGSSGPSSHPPAAMALQSQASEEAKGPWQEADQEQQEPVGSPEPES EPEPEPEPEPVPVPPPEPQPEPQPLPDPAPLPELEFESERVHEPEPTPTVETRGTAR GFQPPEGGFGWVVVFAATWCNGSIFGIHNSVGILYSMLLEEEKEKNRQVEFQAAWV GALAMGMIFFCSPIVSIFTDRLGCRITATAGAAVAFIGLHTSSFTSSLSLRYFTYGILFG

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CGCSFAFQPSLVILGHYFQRRLGLANGVVSAGSSIFSMSFPFLIRMLGDKIKLAQTFQ
 VLSTFMFVLMLLSLTYRPLLSSQDTPSKRGVRTLHQFLAQLRKYFNMRVFRQRTY
 RIWAFGIAAALGYFVPYVHLMKYVEEEFSEIKETWVLLVCIGATSGLGRLVSGHISD
 SIPGLKKIYLQVLSFLLLGLMSMMIPLCRDFGGLIVVCLFLGLCDGFFITIMAPIAFELVG
 PMQASQAIGYLLGMMALPMIAGPPIAGLLRNCFGDYHVAFYFAGVPPPIIGAVILFFVPL
 MHQRMFKKEQRDSSKDKMLAPDPDPNGELLPGSPNPEEPI

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

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

Official Symbol

SLC16A2

Synonyms

SLC16A2; solute carrier family 16, member 2 (thyroid hormone transporter); MCT7; MCT8; XPCT; AHDS; MCT 7; MCT 8; MRX22; DXS128; DXS128E;

Gene ID

6567

mRNA Refseq

NM_006517

Protein Refseq

NP_006508

MIM

300095

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