

Recombinant Full Length Human SLC16A2 Protein

Cat. No. SLC16A2-6784HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human SLC16A2 Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	461 amino acids
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 RNKYQPQSGSSGPSSHSPPAAMALQSQASEEAKGPWQEADQEQQEPVGSPEPES

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EPEPEPEPEPVPPPEPQPEPQPLPDPAPLPELEFESERVHEPEPTPTVETRGTAR
 GFQPPEGGFGWVVVFAATWCNGSIFGIHNSVGILYSMLLEEEKEKNRQVEFQAAWV
 GALAMGMIFFCSPIVSIFTDRLGCRITATAGAAVAFIGLHTSSFTSSLSLRYFTYGILFG
 CGCSFAFQPSLVILGHYFQRRLLGLANGVVSAGSSIFSMSFPFLIRMLGDKIKLAQTFQ
 VLSTFMFVLMLLSLTYRPLLPSQDTPSKRGVRTLHQRFLAQLRKYFNMRVFRQRTY
 RIWAFGIAAAALGYFVPYVHLMKYVEEEFSEIKETWVLLVCIGATSGLGRLVSGHISD
 SIPGLKKIYLQVLSFLLLGLMSMMIPLCRDFGGLIVVCLFLGLCDGFFITIMAPIAFELVG
 PMQASQAIGYLLGMMALPMIAGPPIAGLLRNCFGDYHVAFYFAGVPPPIIGAVILFFVPL
 MHQRMFKKEQRDSSKDKMLAPDPDPNGELLPGSPNPEEPI

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; 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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