

Recombinant Full Length Human SLC16A9 Protein

Cat. No. SLC16A9-6789HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human SLC16A9 Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	287 amino acids
Description	This gene encodes a member of the the SLC39A family of divalent metal transporters that mediates the cellular uptake of manganese, zinc, iron, and cadmium. The encoded protein contains eight transmembrane domains, a histidine-rich motif, and a metalloprotease motif, and is expressed on the plasma membrane and the endocytic vesicle membrane. It is an important transporter of nontransferrin-bound iron and a critical regulator of manganese homeostasis. Naturally occurring mutations in this gene are associated with neurodegeneration with brain iron accumulation and early-onset parkinsonism-dystonia with hypermanganesemia.
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	56 kDa
AA Sequence	MELKKSPDGGWGWVIVFVSFLTQFLCYGSPLAVGVLYIEWLDAFGEGKGKTAWVG SLASGVGLLASPVCSLCVSSFGARPVTIFSGFMVAGGLMLSSFAPNIYFLFFSYGIVV GLGCGLLYTATVTITCQYFDDRRGLALGLISTGSSVGLFIYAALQRMLVEFYGLDGCL

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LIVGALALNILACGSLMRPLQSSDCPLPKKIAPEDLPDKYSIYNEKGKNLEENINILDKS
 YSSEKCRITLANGDWKQDSLHKNPTVTHTKEPETYKKKVAEQTYFCKQLAKRKW
 QLYKNYCGETVALFKNKVFSALFIAILLFDIGGFPPSLLMEDVARSSNVKEEEFIMPLIS
 IIGIMTAVGKLLLGILADFKWINTLYLYVATLIIMGLALCAIPFAKSYVTLALLSGILGFLT
 GNWSIFPYVTTKTVGIEKLAHAYGILMFFAGLGNLGPPIVGWFYDWTQTYDIAFYFS
 GFCVLLGGFILLLAALPSWDTCNKQLPKPAPTFLYKVASNV

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	SLC16A9 solute carrier family 16, member 9 (monocarboxylic acid transporter 9) [Homo sapiens]
Official Symbol	SLC16A9
Synonyms	SLC16A9; solute carrier family 16, member 9 (monocarboxylic acid transporter 9); FLJ43803; MCT9; MCT 9; C10orf36;
Gene ID	220963
mRNA Refseq	NM_194298
Protein Refseq	NP_919274
MIM	614242
UniProt ID	Q7RTY1