

Recombinant Human SLC30A10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC30A10-5965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC30A10 MS Standard C13 and N15-labeled recombinant protein (NP_061183) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is highly expressed in the liver and is inducible by manganese. Its protein product appears to be critical in maintaining manganese levels, and has higher specificity for manganese than zinc. Loss of function mutations appear to result in a pleomorphic phenotype, including dystonia and adult-onset parkinsonism. Alternatively spliced transcript variants have been observed for this gene.
Molecular Mass	52.5 kDa
AA Sequence	MGRYSGKTCRLLFMLVLTVAFFVAELVSGYLGNSIALLSDSFNMLSDLISLCVGLSAG YIARRPTRGFSATYGYARAEVVGALSNAVFLTALCFTIFVEAVLRLARPERIDDPPELV IVGVLGLLVNVVGLLIFQDCAAWFACCLRGRSRRLQQRQQLAEGCVPGAFFGGPQG AEDPRRAADPTAPGSDSAVTLRGTSVERKREKGATVFANVAGDSFNTQNEPEDMM KKEKKSEALNIRGVLLHVMGDALGSVVVVITAIIFYVLPLKSEDPCNWQCYIDPSLTVL MVIIISSAFPLIKETAAILLQMPKGVNMEELMSKLSAVPGISSVHEVHIWELVSGKIIA TLHIKYPKDRGYQDASTKIREIFHHAGIHNVTIQFENVDLKEPLEQKDLLLLCNPCISK GCAKQLCCPPGALPLAHVNGCAEHNGGPSLDTYGSDGLSRRDAREVAIEVSLDSC

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SDHGQSLNKTQEDQCYVNRTHFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SLC30A10 solute carrier family 30 member 10 [Homo sapiens (human)]

Official Symbol SLC30A10

Synonyms SLC30A10; solute carrier family 30 member 10; ZNT8; ZRC1; HMDPC; ZNT10; ZnT-10; HMNDYT1; zinc transporter 10; manganese transporter SLC30A10; zinc transporter 8

Gene ID 55532

mRNA Refseq NM_018713

Protein Refseq NP_061183

MIM 611146

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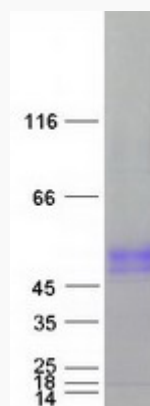
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UniProt ID

Q6XR72

SDS-PAGE

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