

Recombinant Full Length Human MRS2 overexpression lysate

Cat. No. MRS2-67HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MRS2 HEK293T cell transient overexpression lysate (as WB positive control:Western blot validation of overexpression lysate using anti-DDK antibody)
Species	Human
Source	HEK293
Description	Enables magnesium ion transmembrane transporter activity. Involved in mitochondrial magnesium ion transmembrane transport. Located in mitochondrion.
Molecular Mass	50.1 kDa
Storage	The lysate can be shipped at ambient temperature. Upon receiving, store the sample at -20 centigrade. Lysate samples can be reconstituted with SDS Sample Buffer. Avoid repeated freeze-thaw cycles after reconstitution. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade.
Cytogenetics	6p22.3
Preparation	HEK293T cells in 10-cm dishes were transiently transfected with 5ug cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). To facilitate transportation and protein, the products are

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supplied as lyophilized proteins.

Protein Families Transcription Factors, Transmembrane

Components 1 vial of 20 ug lyophilized gene specific transient over-expression cell lysate.

GENE INFORMATION

Gene Name MRS2 magnesium transporter MRS2 [Homo sapiens (human)]

Official Symbol MRS2

Synonyms HPT; MRS2L

Gene ID 57380

mRNA Refseq NM_020662.4

Protein Refseq NP_065713.1

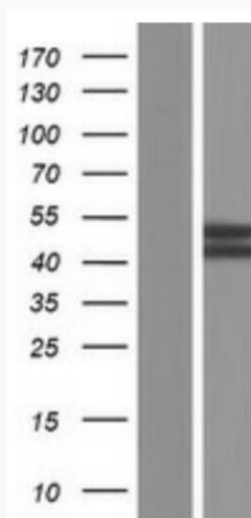
MIM 619307

UniProt ID Q9HD23

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Western blot validation of overexpression lysate using anti-DDK antibody. Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with MRS2 plasmid.

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