

Human MRAS Knockdown Cell Lysate

Cat. No. MRAS-244HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated MRAS Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the Ras family of small GTPases. These membrane-associated proteins function as signal transducers in multiple processes including cell growth and differentiation, and dysregulation of Ras signaling has been associated with many types of cancer. The encoded protein may play a role in the tumor necrosis factor-alpha and MAP kinase signaling pathways. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	24 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MRAS KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	MAPK signaling pathway, Regulation of actin cytoskeleton, Tight junction
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MRAS muscle RAS oncogene homolog [Homo sapiens (human)]
Official Symbol	MRAS
Synonyms	MRAS; muscle RAS oncogene homolog; ras-related protein M-Ras; M RAs; R RAS3; RRAS3; muscle and microspikes RAS; ras-related protein R-Ras3; M-RAS; R-RAS3; FLJ42964;
Gene ID	22808
mRNA Refseq	NM_001085049
Protein Refseq	NP_001078518
MIM	608435
UniProt ID	O14807

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