

Human EIF2AK2 Knockdown Cell Lysate

Cat. No. EIF2AK2-152HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated EIF2AK2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. The encoded protein plays an important role in the innate immune response against multiple DNA and RNA viruses.
Form	Cell-Tissue Lysis buffer
Molecular Mass	62 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 EIF2AK2 KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase, Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	EIF2AK2 eukaryotic translation initiation factor 2-alpha kinase 2 [Homo sapiens (human)]
Official Symbol	EIF2AK2
Synonyms	EIF2AK2; eukaryotic translation initiation factor 2-alpha kinase 2; PRKR, protein kinase, interferon inducible double stranded RNA dependent; interferon-induced, double-stranded RNA-activated protein kinase; EIF2AK1; PKR; p68 kinase; eIF-2A protein kinase 2; P1/eIF-2A protein kinase; tyrosine-protein kinase EIF2AK2; interferon-inducible eIF2alpha kinase; double stranded RNA activated protein kinase; protein kinase, interferon-inducible double stranded RNA dependent; PRKR; MGC126524;
Gene ID	5610
mRNA Refseq	NM_001135651
Protein Refseq	NP_001129123
MIM	176871

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