

Human GEMIN2 Knockdown Cell Lysate

Cat. No. GEMIN2-174HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GEMIN2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes one of the proteins found in the SMN complex, which consists of several gemin proteins and the protein known as the survival of motor neuron protein. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal snRNPs and for pre-mRNA splicing. This protein interacts directly with the survival of motor neuron protein and it is required for formation of the SMN complex. A knockout mouse targeting the mouse homolog of this gene exhibited disrupted snRNP assembly and motor neuron degeneration.
Form	Cell-Tissue Lysis buffer
Molecular Mass	32 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.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GEMIN2 KD HeLa cell lysate
Protein Families	Druggable Genome, Stem cell - Pluripotency
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GEMIN2 gem (nuclear organelle) associated protein 2 [Homo sapiens (human)]
Official Symbol	GEMIN2
Synonyms	GEMIN2; gem (nuclear organelle) associated protein 2; SIP1, survival of motor neuron protein interacting protein 1; gem-associated protein 2; gemin-2; component of gems 2; SMN interacting protein 1-delta; survival of motor neuron protein interacting protein 1; SIP1; SIP1-delta;
Gene ID	8487
mRNA Refseq	NM_001009182
Protein Refseq	NP_001009182
MIM	602595
UniProt ID	O14893

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