

## Recombinant Mouse Shfl Protein, Myc/DDK-tagged

**Cat. No.** Shfl-5861M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length shiftless antiviral inhibitor of ribosomal frameshifting (Shfl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Inhibits programmed -1 ribosomal frameshifting (-1PRF) of a variety of mRNAs from viruses and cellular genes. Interacts with the -1PRF signal of target mRNA and translating ribosomes and causes premature translation termination at the frameshifting site. May exhibit antiviral activity. |
| <b>Molecular Mass</b>   | 33 kDa                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                    |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                 |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                          |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Shfl shiftless antiviral inhibitor of ribosomal frameshifting [ Mus musculus (house mouse) ]                                                                                                                                                 |
| Official Symbol | Shfl                                                                                                                                                                                                                                         |
| Synonyms        | Shfl; shiftless antiviral inhibitor of ribosomal frameshifting; RyDEN; A230050P20Rik; shiftless antiviral inhibitor of ribosomal frameshifting protein homolog; UPF0515 protein C19orf66 homolog; repressor of yield of DENV protein homolog |
| Gene ID         | 319278                                                                                                                                                                                                                                       |
| mRNA Refseq     | NM_175687                                                                                                                                                                                                                                    |
| Protein Refseq  | NP_783618                                                                                                                                                                                                                                    |
| UniProt ID      | Q8CAK3                                                                                                                                                                                                                                       |

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