

## Recombinant Mouse Snrpa Protein, His-tagged

**Cat. No.** Snrpa-2088M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Mouse Snrpa Protein (Ala93-Lys287) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Ala93-Lys287                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Predicted to enable U1 snRNA binding activity; U1 snRNP binding activity; and identical protein binding activity. Predicted to be involved in mRNA splicing, via spliceosome and regulation of mRNA polyadenylation. Predicted to act upstream of or within RNA splicing and mRNA processing. Predicted to be located in nucleoplasm. Predicted to be part of U1 snRNP and spliceosomal complex. Is expressed in central nervous system and sensory organ. Human ortholog(s) of this gene implicated in connective tissue disease. Orthologous to human SNRPA (small nuclear ribonucleoprotein polypeptide A). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 24.9 kDa<br>Accurate Molecular Mass: 27 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                        |                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Snrpa small nuclear ribonucleoprotein polypeptide A [ Mus musculus (house mouse) ]</a>                                                                                                            |
| <b>Official Symbol</b> | <a href="#">Snrpa</a>                                                                                                                                                                                         |
| <b>Synonyms</b>        | SNRPA; small nuclear ribonucleoprotein polypeptide A; U1 small nuclear ribonucleoprotein A; U1-A; U1 snRNP A; U1 snRNP protein A; protein A of the U1 small nuclear RNA; U1A; Rnu1a1; Rnu1a-1; C430021M15Rik; |
| <b>Gene ID</b>         | <a href="#">53607</a>                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | <a href="#">NM_001046637</a>                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | <a href="#">NP_001040102</a>                                                                                                                                                                                  |
| <b>UniProt ID</b>      | <a href="#">Q62189</a>                                                                                                                                                                                        |

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