

## Recombinant Mouse Tcea3 Protein, Myc/DDK-tagged

**Cat. No.** Tcea3-6329M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length transcription elongation factor A (SII), 3 (Tcea3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Necessary for efficient RNA polymerase II transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus. |
| <b>Molecular Mass</b>   | 38.8 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       | Tcea3 transcription elongation factor A (SII), 3 [ Mus musculus (house mouse) ]                                                                                                                                                                   |
| Official Symbol | Tcea3                                                                                                                                                                                                                                             |
| Synonyms        | TCEA3; transcription elongation factor A (SII), 3; transcription elongation factor A protein 3; transcription elongation factor TFIIIS.h; tissue-specific transcription factor S-II; transcription elongation factor S-II protein 3; S-II; SII-K1 |
| Gene ID         | 21401                                                                                                                                                                                                                                             |
| mRNA Refseq     | NM_011542                                                                                                                                                                                                                                         |
| Protein Refseq  | NP_035672                                                                                                                                                                                                                                         |
| UniProt ID      | P23881                                                                                                                                                                                                                                            |

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