

## Product datasheet for TP500551

### Elob (NM\_026305) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse elongin B (Elob), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug                                |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR200551 protein sequence<br>Red=Cloning site Green=Tags(s)   |
|                                       | MDVFLMIRRHKTTIFTDAKESSTVFELKRIVEGILKRPPEEQRLYKDDQLLDDGKTLGECGFTSQARPQ<br>APATVGLAFRADDTFEALRIEPFSSPPELDPVMKPKQDSGGSANEQAVQ                           |
|                                       | TRTRPLEQKLISEEDLAANDILDYKDDDDKV  |
| Tag:                                  | C-MYC/DDK  |
| Predicted MW:                         | 13.6 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:                              | Store at -80°C after receiving vials.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:                               | <a href="#">NP_080581</a>  |
| Locus ID:                             | 67673  |
| UniProt ID:                           | <a href="#">P62869</a>   |
| RefSeq Size:                          | 508  |
| Cytogenetics:                         | 17 A3.3  |
| RefSeq ORF:                           | 357  |



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**Synonyms:** 0610040H15Rik; Tceb2

**Summary:** SIII, also known as elongin, is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. Subunit A is transcriptionally active and its transcription activity is strongly enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C (elongin BC complex) (By similarity). In embryonic stem cells, the elongin BC complex is recruited by EPOP to Polycomb group (PcG) target genes in order generate genomic region that display both active and repressive chromatin properties, an important feature of pluripotent stem cells (PubMed:27863225, PubMed:27863226).[UniProtKB/Swiss-Prot Function]