

Product datasheet for TP502136

Thoc7 (NM_025435) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse THO complex 7 (Thoc7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR202136 protein sequence Red =Cloning site Green =Tags(s) MGAVTDDDEVIRKRLIDGDGAGDDRRINLLVKSFIKWCSGSGQEEGYQYQRMSTLSQCEFSMGKTLVV YDMNLREMEYKEIYKEIECSIAGAHEKIAECKKQILQAKRIRKNRQEYDALAKMIQHHPDRHETLKELE ALGKELEHLSHIKESVEDKLELRRKQFHVLLSTIHELQQTLENDKLESEVDEAQESTMEADPKP TR TRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 23.7 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: | NP_079711 |
| Locus ID: | 66231 |
| UniProt ID: | Q7TMY4 |
| RefSeq Size: | 991 |
| Cytogenetics: | 14 A1 |


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RefSeq ORF: 612

Synonyms: Nif3l1bp1

Summary: Required for efficient export of polyadenylated RNA. Acts as component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway.[UniProtKB/Swiss-Prot Function]