

## Product datasheet for TP509845

### Pus7 (NM\_178403) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pseudouridylate synthase 7 (Pus7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209845 protein sequence Red=Cloning site Green=Tags(s)

MEMTSTSLKRGCLWEDNDSVTPHDETKKQKVSEGLTSSQDGVENDGLHRSENEPGPPEAESTVKDDEN  
SSAQVQEEEEEEEEEDGLSEAGEEEEEAEFADMMKHGLTELDVGICKFVSSHGFGSILKERYSDFFVHE  
IGKDGRISHLDDLSPVDEEDPPEDALTVLTAEDRQQLLEELQLFKNKETSVAIEVIEDTKEKRTVIHQAI  
KSLFPGLETKTEDREGRKYIVAYHAAGKKALANPRKHSWPKSRGSYCHFVLYKENKDTMDAINVLSKYLR  
VKPNIFSVMGTGDKRAITVQEIAVLKISAQRLAHLNKCLMNLKLGNFYSYQKTPCLKGALQGNHFTVLRN  
ITGTDEQVQQAMQSLRETGFINYGMQRFGTTAVPTYQVGRAILQNSWTEVMDLILKPRSGAEKGYLVKC  
REEWAKTKDPASALKKLPVKRCVEGQLLRGLSRYGMKNIVSAFGIIPRNNRLMYIHSYQSYVWNTMVSRR  
IEEYGLRPVPGDLVLKGATPTYIEEDDVDNYSIHDVVMPLPGFDVIYPKHKISEAYREMLAADNLDIDNM  
RHTIRDYSLSGAYRRIIRPQSVSWEVWAYDDPKIPLFNTDVDNLEGGKPPVFASEGKYRALKMDFSLPP  
STYATMAIREVLKMDTSIKNQTQLNTSWLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	74.8 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.



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RefSeq: [NP\\_848490](#)

Locus ID: 78697

UniProt ID: [Q91VU7](#), [Q3ULP8](#)

RefSeq Size: 3907

Cytogenetics: 5 A3

RefSeq ORF: 1983

Synonyms: C330017115Rik

**Summary:** Pseudouridylate synthase that catalyzes pseudouridylation of RNAs. Acts as a regulator of protein synthesis in embryonic stem cells by mediating pseudouridylation of RNA fragments derived from tRNAs (tRFs): pseudouridylated tRFs inhibit translation by targeting the translation initiation complex. Also catalyzes pseudouridylation of mRNAs: mediates pseudouridylation of mRNAs with the consensus sequence 5'-UGUAG-3'. In addition to mRNAs and tRNAs, binds other types of RNAs, such as snRNAs, Y RNAs and vault RNAs, suggesting that it can catalyze pseudouridylation of many RNA types.[UniProtKB/Swiss-Prot Function]