

Product datasheet for **TP301648L**

PUS3 (NM_031307) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human pseudouridylate synthase 3 (PUS3), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201648 protein sequence
Red=Cloning site **Green**=Tags(s)

MADNDTDRNQTEKLLKRVRELEQEVQRLKKEQAKNKEDSNIRENSSGAGKTKRAFDFSAHGRRHVALRIA
YMGWGYQGFIASQENTNNTIEEKLFEALTKTRLVESRQTSNYHRCGRDCKGVSAFGQVISDLRSQFPRGR
DSEDFNVKEEANAIAEEIRYTHILNRVLPDIRILAWAPVEPSFSARFSCLETRYRYFFPRADLDIVTMD
YAAQKYVGTHDFRNLCKMDVANGVINFRQILSAQVQLVGQSPGEGRWQEPFQLCQFEVTGQAFLYHQ
VR
CMMAILFLIGQGMEKPEIIDELLNIEKNPQKPQYSMAVEFPLVLYDCKFENVKWIYDQEAQEFNITHLQQ
LWANHAVKTHMLYSMLQGLDTPVPCGIGPKMDGMTEWGNVKPSVIKQTSAFVEGVKMRTYKPLMDR
PKC
QGLESRIQHFRVRRGRIEHPHLFHEEETKAKRDCNDTLEEDNTNLETPTKRVCDTEIKSII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 55.4 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

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

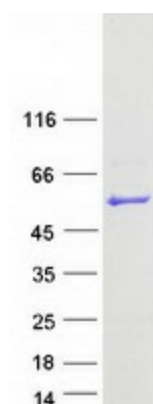
Storage: Store at -80°C.



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|----------------------|--|
| 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: | <u>NP_112597</u> |
| Locus ID: | 83480 |
| UniProt ID: | <u>Q9BZE2</u> |
| RefSeq Size: | 1862 |
| Cytogenetics: | 11q24.2 |
| RefSeq ORF: | 1443 |
| Synonyms: | 2610020J05Rik; FKSG32; MRT55; NEDMIGS |
| Summary: | The protein encoded by this gene catalyzes the formation of tRNA pseudouridine from tRNA uridine at position 39 in the anticodon stem and loop of transfer RNAs. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012] |

Product images:



Coomassie blue staining of purified PUS3 protein (Cat# [TP301648]). The protein was produced from HEK293T cells transfected with PUS3 cDNA clone (Cat# [RC201648]) using MegaTran 2.0 (Cat# [TT210002]).