

Recombinant Human PUS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PUS3-4633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PUS3 MS Standard C13 and N15-labeled recombinant protein (NP_112597) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	55.6 kDa
AA Sequence	MADNDTDRNQTEKLLKRVRELEQEVQRLKKEQAKNKEDSNIRENSSGAGKTKRAFD FSAHGRRHVALRIAYMGWGYQGFASQENTNNTIEEKLFEALTCTRLVESRQTSNYH RCGRTDKGVSAFGQVISLDRSQFPRGRDSEDFNVKEEANAAAEIIRYTHILNRVLP PDIRILAWAPVEPSFSARFSCLERTYRYFFPRADLDIVTMDYAAQKYVGTHDFRNLC KMDVANGVINFORQILSAQVQLVGQSPGEGRWQEPFQLCQFEVTGQAFLYHQVRC MMAILFLIGQGMEKPEIIDELLNIEKNPQKPQYSMAVEFPLVLYDCKFENVKWIYDQE AQEFNITHLQQLWANHAVKTHMLYSMLQGLDTPVPVPCGIGPKMDGMTEWGNVKPS VIKQTSFAFVEGVKMRTYKPLMDRPKCQGLESRIQHFVRRGRIEHPHLFHEEETKAKR DCNDTLEEDNTNLETPTKRVCVDTEIKSIITRTRPLEQKLISEEDLAANDILDYKDDDD KV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

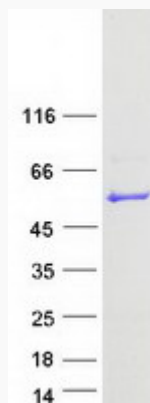
GENE INFORMATION

Gene Name	PUS3 pseudouridylate synthase 3 [Homo sapiens (human)]
Official Symbol	PUS3
Synonyms	PUS3; pseudouridylate synthase 3; MRT55; FKSG32; NEDMIGS; 2610020J05Rik; tRNA pseudouridine(38/39) synthase; pseudouridylate synthase 3; tRNA pseudouridine synthase 3; tRNA pseudouridylate synthase 3; tRNA-uridine isomerase 3; EC 5.4.99.45
Gene ID	83480
mRNA Refseq	NM_031307
Protein Refseq	NP_112597
MIM	616283
UniProt ID	Q9BZE2

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SDS-PAGE

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