

Recombinant Human PUS10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PUS10-5584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PUS10 MS Standard C13 and N15-labeled recombinant protein (NP_653310) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Pseudouridination, the isomerization of uridine to pseudouridine, is the most common posttranscriptional nucleotide modification found in RNA and is essential for biologic functions such as spliceosome biogenesis. Pseudouridylate synthases, such as PUS10, catalyze pseudouridination of structural RNAs, including transfer, ribosomal, and splicing RNAs. These enzymes also act as RNA chaperones, facilitating the correct folding and assembly of tRNAs.
Molecular Mass	60.2 kDa
AA Sequence	MFPLTEENKHVAQLLLNTGTCPRCIFRFCGVDFHAPYKLPYKELLNELQKFLETEKD ELILEVMNPPPKKIRLQELEDSDNLSQNGEGRISVSHVGSTASKNSNLNVCNVCLGI LQEFCEKDFIKKVCQKVEASGFETSLVFSVSFPPQLSVREHAAWLLVKQEMGKQS LSLGRDDIVQLKEAYKWITHPLFSEELGVPIDGKSLFEVSVVFAHPETVEDCHFLAAIC PDCFKPAKNKQSVFTRMAVMKALNKIKEEDFLKQFPCPPNSPKAVCAVLEIECAHGA VVFVAGRYNKYSRNLPQTPWIIDGERKLESSVEELISDHLLAVFKAESFNFSSSGREDV DVRTLGNRPFALVNPVRVHFTSQEIKELQQKINNSSNKIQVRDLQLVTREIGHM

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KEGEEETKTKTYSALIWTNKAIQKKDIEFLNDIKDLKIDQKTPLRVLHRRPLAVRARVIHF
METQYVDEHHFRLHLKTQAGTYIKEFVHGDFGRGTKPNIGSLMNVTAIDILELDVESVD
VDWPPALDDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 PUS10 pseudouridylate synthase 10 [Homo sapiens (human)]

Official Symbol PUS10

Synonyms PUS10; pseudouridylate synthase 10; CCDC139, coiled coil domain containing 139; putative tRNA pseudouridine synthase Pus10; FLJ32312; psi55 synthase; tRNA-uridine isomerase; pseudouridine synthase 10; tRNA pseudouridylate synthase; tRNA pseudouridine 55 synthase; coiled-coil domain containing 139; coiled-coil domain-containing protein 139; DOBI; CCDC139; MGC126729; MGC126755;

Gene ID 150962

mRNA Refseq NM_144709

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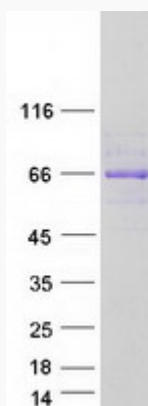
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Protein Refseq NP_653310

MIM 612787

UniProt ID Q3MIT2

SDS-PAGE



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