

Product datasheet for PH310979

PUS10 (NM_144709) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PUS10 MS Standard C13 and N15-labeled recombinant protein (NP_653310)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210979
Predicted MW:	60.2 kDa
Protein Sequence:	>RC210979 protein sequence Red=Cloning site Green=Tags(s)

MFPLTEENKHVAQLLLNTGTCPRCIFRFGVDFHAPYKLPYKELLNELQKFLETEKDELILEVMNPPPK
IRLQELEDSIDNLSQNGEGRISVSHVGSTASKNSNLNVCNVCLGILQEFCEKDFIKKVCQKVEASGF
SLVFSVSFPQLSVREHAALLVKQEMGKQSLSLGRDDIVQLKEAYKWITHPLFSEELGVPIDGKSLFEV
SVVFAHPETVEDCHFLAAICPDCKPAKNKQSVFTRMAVMKALNKIKEEDFLKQFPCPPNSPKAVCAVLE
IECAHGAVFVAGRYNKYSRNLPTPWIIDGERKLESSVEELISDHLLAVFKAESFNFSGREDVDVRTL
GNRPF AIELVPHRVHFTSQEIKELQQKINNSSNKIQVRDLQLVTREAI GHMKEGEEETKTYSALIWT
NKAIQKKDIEFLNDIKDLKIDQKTPRLRVLHRRPLAVRARVIHFMETQYVDEHHFRLHLKTQAGTYIKEFV
HGDFGRTKPNIGSLMNVTADILELDVESVDVDWPPALDD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_653310</u>
RefSeq Size:	3820
RefSeq ORF:	1587

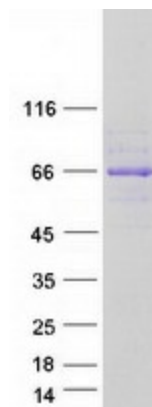


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Synonyms: CCDC139; DOBI; Hup10
Locus ID: 150962
UniProt ID: [Q3MIT2](#)
Cytogenetics: 2p16.1-p15
Summary:

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 (McCleverty et al., 2007 [PubMed 17900615]).[supplied by OMIM, May 2009]

Product images:



Coomassie blue staining of purified PUS10 protein (Cat# [TP310979]). The protein was produced from HEK293T cells transfected with PUS10 cDNA clone (Cat# [RC210979]) using MegaTran 2.0 (Cat# [TT210002]).