

Recombinant Full Length Human PUS7 Protein, His tagged

Cat. No. PUS7-20HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PUS7 Protein, Human (sf9, His) is the recombinant human-derived PUS7, expressed by sf9 insect cells, with His tag.
Species	Human
Source	Insect Cells
ProteinLength	2-661 aa
Description	Enables enzyme binding activity and tRNA pseudouridine(13) synthase activity. Involved in several processes, including pseudouridine synthesis; regulation of hematopoietic stem cell differentiation; and regulation of mesoderm development. Is active in nucleus. Implicated in intellectual developmental disorder with abnormal behavior, microcephaly, and short stature.
Form	Liquid. Supplied as a 0.22 µm filtered solution of 50 mM HEPES, pH 7.5, 200 mM NaCl, 20% glycerol, 1 mM DTT.
Molecular Mass	Approximately 78.1 kDa
Endotoxin	<1 EU/µg determined by LAL method.
Purity	Greater than 90% as determined by reducing SDS-PAGE
Storage	Stored at -80 centigrade for 1 year from date of receipt. It is stable at -20 centigrade

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for 3 months after opening. It is recommended to freeze aliquots at -80 centigrade for extended storage. Avoid repeated freeze-thaw cycles.

Concentration 1.87 mg/mL

Shipping Shipping with dry ice.

Reconstitution Please use rapid thawing with running water to thaw the protein

GENE INFORMATION

Gene Name PUS7 pseudouridine synthase 7 [Homo sapiens (human)]

Official Symbol PUS7

Synonyms PUS7; pseudouridine synthase 7; IDDABS; pseudouridylate synthase 7 homolog; pseudouridylate synthase 7 (putative); EC 4.2.1.70

Gene ID 54517

mRNA Refseq NM_019042

Protein Refseq NP_061915

MIM 616261

UniProt ID Q96PZ0

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