

Recombinant Human DUS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DUS2-3072H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DUS2L MS Standard C13 and N15-labeled recombinant protein (NP_060273) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a cytoplasmic protein that catalyzes the conversion of uridine residues to dihydrouridine in the D-loop of tRNA. The resulting modified bases confer enhanced regional flexibility to tRNA. The encoded protein may increase the rate of translation by inhibiting an interferon-induced protein kinase. This gene has been implicated in pulmonary carcinogenesis. Alternatively spliced transcript variants have been described for this gene.
Molecular Mass	55.1 kDa
AA Sequence	MILNSLSLCYHNKLILAPMVRVGTLP MRLALDYGADIVYCEELIDLKMIQCKRVVNEV LSTVDFVAPDDR VVFRTCEREQNRVVFQMGTSDAERALAVARLVENDVAGIDVNM GCPKQYSTKGGMGAALLSDPDKIEKILSTLVKGTRRPVTCKIRILPSLEDTSLVKRIE RTGIAAIAVHGRKREERPQHPVSCEVIKAIADTSLIPVIANGGSHDHIQQYSDIEDFRQ ATAASSVMVARAAMWNPSIFLKEGLRPLEEVMQKYIRYAVQYDNHYTNTKYCLCQM LREQLESPQGRLLHAAQSSREICEAFGLGAFYEETTQELDAQQARLSAKTSEQTGE PAEDTSGVIKMAVKFDRRAYPAQITPKMCLLEWCRREKLAQPVYETVQRPLDRLFS

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SIVTVAEQKYQSTLWDKSKKLAEQAAAIVCLRSQGLPEGRLGEESPSLHKRKREAPD
QDPGGPRAQELAQPGDLCKKPFVALGSGEESPLEGWTRTRPLEQKLISEEDLAAND
ILDYKDDDDKV

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 DUS2 dihydrouridine synthase 2 [Homo sapiens (human)]

Official Symbol DUS2

Synonyms DUS2; dihydrouridine synthase 2; SMM1; DUS2L; URLC8; tRNA-dihydrouridine(20) synthase [NAD(P)+]-like; SMM1 homolog; dihydrouridine synthase 2-like, SMM1 homolog; tRNA-dihydrouridine(20) synthase (NAD(P)(+)); up-regulated in lung cancer protein 8; EC 1.3.1.91

Gene ID 54920

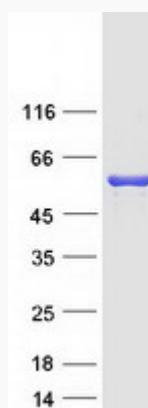
mRNA Refseq NM_017803

Protein Refseq NP_060273

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MIM 609707**UniProt ID** Q9NX74**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA