

# Recombinant Human DUS1L Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** DUS1L-221H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | DUS1L MS Standard C13 and N15-labeled recombinant protein (NP_071439) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 53.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MPKLQGFEFWSRTLGRHVVAPMVDQSELAWRLLSRRHGAQLCYTPMLHAQVF<br>VRDANYRKENLYCEVCPEDRPLIVQFCANDPEVVFVQAALLAQDYCDAIDLNLGCPQ<br>MIAKRGHYGAFLQDEWDLLQRMILLAHEKLSVPVTCKIRVFPEIDKTVRYAQMLEKA<br>GCQLLTVHGRTKEQKGPLSGAASWEHIKAVRKAVAIPVFANGNIQCLQDVERCLRD<br>TGVQGVMSAEGNLHNPALFEGRSPAVWELAEELYLDIVREHPCPLSYVRAHLFKLWH<br>HTLQVHQELREELAKVKTLEGIAAVSQELKLRCEEISRQEGAKPTGDLPFHWICQP<br>YIRPGPREGSKEKAGARSKRALEEEEGGTEVLSKNKQKKQLRNPHKTFDPSLKPKY<br>AKCDQCGNPKGNRCVFSLCRGCKKRASKETADCPGHGLLFKTKLEKSLAWKEAQ<br>PELQEPQPAAPGTPGGFSEVMGSALATRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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

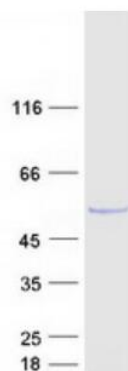
## GENE INFORMATION

|                        |                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DUS1L dihydrouridine synthase 1-like ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> (human) ]                                       |
| <b>Official Symbol</b> | DUS1L                                                                                                                               |
| <b>Synonyms</b>        | DUS1L; dihydrouridine synthase 1-like ( <i>S. cerevisiae</i> ); tRNA-dihydrouridine(16/17) synthase [NAD(P)(+)]-like; DUS1; PP3111; |
| <b>Gene ID</b>         | 64118                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_022156                                                                                                                           |
| <b>Protein Refseq</b>  | NP_071439                                                                                                                           |
| <b>UniProt ID</b>      | Q6P1R4                                                                                                                              |

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**SDS-PAGE**

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