

## Recombinant Mouse Qars Protein, Myc/DDK-tagged

**Cat. No.** Qars-5277M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length glutaminyl-tRNA synthetase (Qars), transcript variant 2, with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| <b>Species</b>          | Mouse                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                              |
| <b>Description</b>      | Glutamine--tRNA ligase. Plays a critical role in brain development.                                                                                                 |
| <b>Molecular Mass</b>   | 68.8 kDa                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                         |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                       |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                      |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                    |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                               |

### GENE INFORMATION

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| <b>Gene Name</b> | Qars glutaminyl-tRNA synthetase [ Mus musculus (house mouse) ] |
|------------------|----------------------------------------------------------------|

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|                 |                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| Official Symbol | <a href="#">Qars</a>                                                                                            |
| Synonyms        | QARS; glutaminyl-tRNA synthetase; glutamine-tRNA ligase; GLNRS; C80286; 1110018N24Rik; 1200016L19Rik; MGC105238 |
| Gene ID         | <a href="#">97541</a>                                                                                           |
| mRNA Refseq     | <a href="#">NM_001168270</a>                                                                                    |
| UniProt ID      | <a href="#">Q8BML9</a>                                                                                          |

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