

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

**Cat. No.** Dars-2455M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length aspartyl-tRNA synthetase (Dars), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                          |
| <b>Description</b>      | Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. |
| <b>Molecular Mass</b>   | 10.7 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

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|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Dars aspartyl-tRNA synthetase [ Mus musculus (house mouse) ]                                                                     |
| Official Symbol | Dars                                                                                                                             |
| Synonyms        | DARS; aspartyl-tRNA synthetase; aspartate--tRNA ligase, cytoplasmic; aspRS; aspartyl-tRNA synthetase, cytoplasmic; 5730439G15Rik |
| Gene ID         | 226414                                                                                                                           |
| mRNA Refseq     | NM_145507                                                                                                                        |
| Protein Refseq  | NP_663482                                                                                                                        |
| UniProt ID      | Q8BJY7                                                                                                                           |

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