

## Recombinant Human AARSD1 Protein, GST-tagged

**Cat. No.** AARSD1-023H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human AARSD1 full-length ORF ( NP_079543.1, 1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | AARSD1 (Alanyl-TRNA Synthetase Domain Containing 1) is a Protein Coding gene. Diseases associated with AARSD1 include Ovary Adenocarcinoma. GO annotations related to this gene include nucleic acid binding and aminoacyl-tRNA editing activity. An important paralog of this gene is PTGES3L-AARSD1.                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 85.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MEFCVEDSTDVHVLIEDHRIVFSCKNADGVELYNEIEFYAKVNSKDSQDKRSSRSITC<br>FVRKWKEKVAWPRLTKEDIKPVWLSVDFDNWRDWEGDEEMELAHVEHYAELLKKV<br>STKRPPPAMDDLDFTTTVVSCCPAELQTEGSNGKKEVLSGFQVVLEDTVLFPEGGG<br>QPDDRGTINDISVLRVTRRGEQADHFTQTPLDPGSQVLVRVDWERRFDHMQQHSG<br>QHLITAVADHLFKLKTTSWELGRFRSAIELDTPSMTAEQVAAIEQSVNEKIRDRLPVN<br>VRELSLDDPEVEQVSGRGLPDDHAGPIRVVNIEGVDSNMCCGTHVSNLSDLQVIKIL<br>GTEKGKKNRTNLIFLSGNRVLKWMEERSHGTEKALTALLKCGAEDHVEAVKKLQNST<br>KILQKNNLNLRLDLAVHIAHSLRNSPDWGGVVILHRKEGDSEFMNIIANEIGSEETLLF<br>LTVGDEKGGGLFLLAGPPASVETLGPRAEVLEGGKAGKKGRFQGGKATKMSRME<br>AQALLQDYISTQSAKE |

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|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                       |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                         |
| <b>Gene Name</b>        | <a href="#">AARSD1 alanyl-tRNA synthetase domain containing 1 [ Homo sapiens ]</a>                                                                      |
| <b>Official Symbol</b>  | <a href="#">AARSD1</a>                                                                                                                                  |
| <b>Synonyms</b>         | AARSD1; alanyl-tRNA synthetase domain containing 1; alanyl-tRNA editing protein<br>Aarsd1; MGC2744; alanyl-tRNA synthetase domain-containing protein 1; |
| <b>Gene ID</b>          | <a href="#">80755</a>                                                                                                                                   |
| <b>mRNA Refseq</b>      | <a href="#">NM_001136042</a>                                                                                                                            |
| <b>Protein Refseq</b>   | <a href="#">NP_001129514</a>                                                                                                                            |
| <b>MIM</b>              | <a href="#">613212</a>                                                                                                                                  |
| <b>UniProt ID</b>       | <a href="#">Q9BTE6</a>                                                                                                                                  |

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12.5% SDS-PAGE Stained with Coomassie Blue.

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