

# Recombinant Human FLAD1 Protein, GST-tagged

**Cat. No.** FLAD1-4206H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human FLAD1 full-length ORF ( ABM85078.1, 1 a.a. - 490 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes the enzyme that catalyzes adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 80.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | <p>MTSRASELSPGRSVTAGIIIVGDEILKGHTQDTNTFFLCRTLRLSLGVQVCRVSVVPDE</p> <p>VATIAAEVTSFSNRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALG</p> <p>GEGWEKLSLPSSARLHYGTDPTGQPFRLVSVRNVYLFPGIPELLRRVLEGMK</p> <p>GLFQNPVAVQFHSKELYVAADEASIAPILAEQAHFGRRLGLGSYPDWGSNYYQVKL</p> <p>TLDSEEEGLEECLAYLTARLPQGSVPYMPNAVEQASEAVYKLAESGSSLGKKVA</p> <p>GALQTIETSLAQYSLTQLCVGFNGGKDCTALLHLFHAHVQRKLPDVPNPLQILYIRSIS</p> <p>PFPELEQFLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSC</p> <p>SLCPFSPDTPGWPAFMRINPLLDWTYRDIWDFLRQLFVPYCILYDRGYTSLGSRENT</p> <p>VRNPALKCLSPGGHPTYPAYLLENEEEERNST</p> |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | 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>        | FLAD1 FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>  | FLAD1                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>         | FLAD1; FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae); Fad1, flavin adenine dinucleotide synthetase, homolog (yeast); FAD synthase; FAD1; PP591; FAD synthetase; FAD-synthetase; FAD pyrophosphorylase; FMN adenylyltransferase; flavin adenine dinucleotide synthase; flavin adenine dinucleotide synthetase; Fad1, flavin adenine dinucleotide synthetase, homolog; FADS; MGC31803; MGC40255; RP11-307C12.7; |
| <b>Gene ID</b>          | 80308                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_001184891                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_001171820                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 610595                                                                                                                                                                                                                                                                                                                                                                                                                              |

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UniProt ID

Q8NFF5

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