

Recombinant Human FLAD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FLAD1-2358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FLAD1 MS Standard C13 and N15-labeled recombinant protein (NP_958800) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	54.2 kDa
AA Sequence	MTSRASELSPGRSVTAGIIIVGDEILKGHTQDTNTFFLCRTLRLSLGVQVCRVSVVPDE VATIAAEVTSFSNRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALG GEGWEKLSLPSSARLHYGTDPTGQPFRLVSVRVNLYLFGPIPELLRRVLEGMK GLFQNPVAVQFHSKELYVAADEASIAPILAEQAHFGRRLGLGSDPDWGSNYYQVKL TLDSEEEGLEECLAYLTARLPQGSVPYMPNAVEQASEAVYKLAESGSSLGKKVA GALQTIETSLAQYSLTQLCVGFNGGKDCTALLHLFHAHVQRKLPDVPNPLQILYIRSIS PFPELEQFLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSC SLCPFSPDTPGWPAFMRINPLLDWYRDIWDFLRQLFVPYCILYDRGYTSLGSRENT VRNPALKCLSPGGHPTYPAYLLENEEEERNSTTRTRPLEQKLISEEDLAANDILDY KDDDDKV

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

GENE INFORMATION

Gene Name	FLAD1 flavin adenine dinucleotide synthetase 1 [Homo sapiens (human)]
Official Symbol	FLAD1
Synonyms	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;
Gene ID	80308
mRNA Refseq	NM_201398
Protein Refseq	NP_958800
MIM	610595

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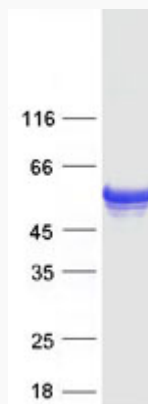
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UniProt ID

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SDS-PAGE

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