Recombinant Full Length Human FLAD1 Protein, GST-tagged

Cat. No. FLAD1-4827HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FLAD1 full-length ORF (ABM85078.1, 1 a.a. - 490 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	490 amino acids
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. [provided by RefSeq
Molecular Mass	80.3 kDa
AA Sequence	MTSRASELSPGRSVTAGIIIVGDEILKGHTQDTNTFFLCRTLRSLGVQVCRVSVVPDE VATIAAEVTSFSNRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALG GEGWEKLSLVPSSARLHYGTDPCTGQPFRFPLVSVRNVYLFPGIPELLRRVLEGMK GLFQNPAVQFHSKELYVAADEASIAPILAEAQAHFGRRLGLGSYPDWGSNYYQVKL TLDSEEEGPLEECLAYLTARLPQGSLVPYMPNAVEQASEAVYKLAESGSSLGKKVA GALQTIETSLAQYSLTQLCVGFNGGKDCTALLHLFHAAVQRKLPDVPNPLQILYIRSIS PFPELEQFLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSC SLCPFSPTDPGWPAFMRINPLLDWTYRDIWDFLRQLFVPYCILYDRGYTSLGSRENT VRNPALKCLSPGGHPTYRPAYLLENEEEERNSRT

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FLAD1 FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae) [Homo sapiens]
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_001184891
Protein Refseq	NP_001171820

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MIM	610595
UniProt ID	Q8NFF5

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