Recombinant Human FLAD1 Protein (1-490 aa), His-SUMO-tagged

Cat. No. FLAD1-1101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLAD1 Protein (1-490 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Isoform 2.
Species	Human
Source	E.coli
ProteinLength	1-490 aa
Description	Catalyzes the adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	70.2 kDa
AA Sequence	MTSRASELSPGRSVTAGIIIVGDEILKGHTQDTNTFFLCRTLRSLGVQVCRVSVVPDE VATIAAEVTSFSNRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALG GEGWEKLSLVPSSARLHYGTDPCTGQPFRFPLVSVRNVYLFPGIPELLRRVLEGMK GLFQNPAVQFHSKELYVAADEASIAPILAEAQAHFGRRLGLGSYPDWGSNYYQVKL TLDSEEEGPLEECLAYLTARLPQGSLVPYMPNAVEQASEAVYKLAESGSSLGKKVA GALQTIETSLAQYSLTQLCVGFNGGKDCTALLHLFHAAVQRKLPDVPNPLQILYIRSIS PFPELEQFLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSC

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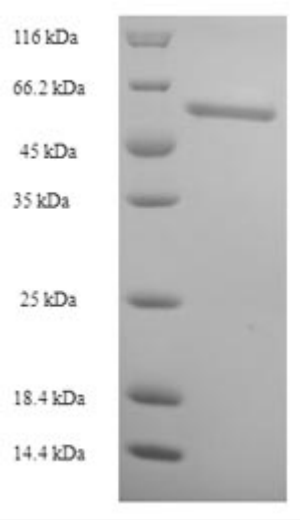
	SLCPFSPTDPGWPAFMRINPLLDWTYRDIWDFLRQLFVPYCILYDRGYTSLGSRENT VRNPALKCLSPGGHPTYRPAYLLENEEEERNSRT
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	FLAD1 FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	FLAD1
Synonyms	FLAD1; FAD synthase; FAD1; PP591; FAD synthetase; 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



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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