

Full-Length

FLAD1 (Human) Recombinant Protein (P01)

Catalog # H00080308-P01

Size 50 ug

Specification

Product Description	Human FLAD1 full-length ORF (ABM85078.1, 1 a.a. - 490 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTSRASELSPGRSVTAGIIVGDEILKGHTQDTNTFFLCRTLRLSLGVQVCRVSVVPDEVATIAAEVT SFSNRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALGGEGWEKLSLVPSSAR LHYGTDPC TGQPFRPLVSVRNVYLFPGIPELLRRVLEGMKGLFQNP AVQFHSKELYVAADEASIA PILAEAQAHFGRRLGLGSYPDWGSNYYQVKLTLDSEEEGPLEECLAYLTARLPQGSLVPYMPNAV EQASEAVYKLAESGSSLGKKVAGALQTIETSLAQYSLTQLCVGFNGGKDCTALLHLFHA AVQRKL PDVPNPLQILYRSISPFPELEQFLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRT DPYSCSLCPFSP TDPGWPAFMRINPLLDW TYRDWDFLRQLFVPYCILYDRGYTSLGSRENTVRN PALKCLSPGGHPT YRPAYLLENEEEERN SRT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	80.3
Interspecies Antigen Sequence	Mouse (89); Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

Gene Info — FLAD1

Entrez GeneID [80308](#)

GeneBank Accession# [DQ894152.2](#)

Protein Accession# [ABM85078.1](#)

Gene Name FLAD1

Gene Alias FAD1, FADS, MGC31803, MGC40255, PP591, RP11-307C12.7

Gene Description FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)

Omim ID [610595](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations FAD-synthetase|Fad1, flavin adenine dinucleotide synthetase, homolog|OTTHUMP00000035547|OTTHUMP00000035548|flavin adenine dinucleotide synthetase

Pathway

- [Metabolic pathways](#)
- [Riboflavin metabolism](#)