

Product datasheet for **TP307083L**

FLAD1 (NM_201398) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human FAD1 flavin adenine dinucleotide synthetase homolog (*S. cerevisiae*) (FLAD1), transcript variant 2, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207083 protein sequence
Red=Cloning site **Green**=Tags(s)

MTSRASELSPGRSVTAGIIVGDEILKGHTQDTNTFFLCRTLRLSLGVQVCRVSWPDEVATIAAEVTSFS
NRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALGGEGWEKLSLVPSSARLHYGTDPC
GQPFRLFVSVRNVYLFPGIPELLRRVLEGMKGLFQNPVAVQFHSKELYVADEASIAPIAEQAHFGR
LGLGSYPDWGSNYYQVKLTLTDEEEGPLEECLAYLTARLPQGSLVPYMPNAVEQASEAVYKLAESGSS
LGGKVVAGALQTIETSLAQYSLTQLCVGFNGGKDCALLHLFHAHVQRKLPDVPNPLQILYIRSISPF
PELEQFLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSCSLCPFSPD
PGWPAFMRINPLLDWTYRDIWDFLRQLFVPYCILYDRGYTSLGSRNTVVRNPALKCLSPGGHPT
YRPAYLLENEEEERNRSRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 54 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_958800](#)

Locus ID: 80308

UniProt ID: [Q8NFF5](#)

RefSeq Size: 1816

Cytogenetics: 1q21.3

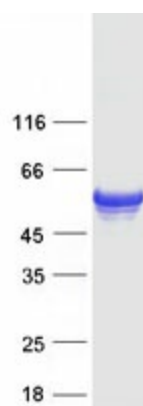
RefSeq ORF: 1470

Synonyms: FAD1; FADS; LSMFLAD; PP591

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, Jul 2008]

Protein Pathways: Metabolic pathways, Riboflavin metabolism

Product images:



Coomassie blue staining of purified FLAD1 protein (Cat# [TP307083]). The protein was produced from HEK293T cells transfected with FLAD1 cDNA clone (Cat# [RC207083]) using MegaTran 2.0 (Cat# [TT210002]).