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# Product datasheet for TP307083

## FLAD1 (NM_201398) Human Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae) (FLAD1), transcript variant 2, 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC207083 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MTSRASELSPGRSVTAGIIIVGDEILKGHTQDTNTFFLCRTLRSLGVQVCRVSVVPDEVATIAAEVTSFS<br>NRFTHVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALGGEGWEKLSLVPSSARLHYGTDPCT<br>GQPFRFPLVSVRNVYLFPGIPELLRRVLEGMKGLFQNPAVQFHSKELYVAADEASIAPILAEAQAHFGRR<br>LGLGSYPDWGSNYYQVKLTLDSEEEGPLEECLAYLTARLPQGSLVPYMPNAVEQASEAVYKLAESGSSLG<br>KKVAGALQTIETSLAQYSLTQLCVGFNGGKDCTALLHLFHAAVQRKLPDVPNPLQILYIRSISPFPELEQ<br>FLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSCSLCPFSPTDPGWPAFMRINPL<br>LDWTYRDIWDFLRQLFVPYCILYDRGYTSLGSRENTVRNPALKCLSPGGHPTYRPAYLLENEEEERNSRT<br><br>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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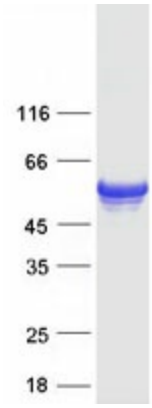
| **RefSeq:** | NP_958800 |
| **Locus ID:** | 80308 |
| **UniProt ID:** | Q8NFF5 |
| **RefSeq Size:** | 1816 |
| **Cytogenetics:** | 1q21.3 |
| **RefSeq ORF:** | 1470 |
| **Synonyms:** | FAD1; FADS; LSMFLAD; PP591 |
| **Summary:** | This gene encodes the enzyme that catalyzes adenylation of flavin mononucleotide (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]).