

Recombinant human FAD synthase

Catalog No: #AP71482



Package Size: #AP71482-1 20ug #AP71482-2 100ug #AP71482-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human FAD synthase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-490aaSequence Info:Full Length of Isoform 2
Other Names	FAD pyrophosphorylaseFMN adenylyltransferaseFlavin adenine dinucleotide synthase 2 domains:Molybdenum cofactor biosynthesis protein-like regionFAD synthase region
Accession No.	Q8NFF5
Uniprot	Q8NFF5
GeneID	80308;
Calculated MW	70.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MTSRASELSPGRSVTAGIIVGDEILKGHQTDTNTFFLCRTLRLSLGVQVCRVSVVPDEVATIAAEVTSFSNRFTH VLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALGGEGWEKLSLVPSSARLHYGTDPCTGQPFRRFP LVSVRNVYLFPGIPELLRRVLEGMKGLFQNPVAVQFHSKELYVAADEASIAPIAEQAHFGRRLGLGSPDWG SNYYQVKLTLDEEEGPLEECLAYLTARLPQGLVPYMPNAVEQASEAVYKLAESGSSLGKKVAGALQTIETS LAQYSLTQLCVGFNGGKDCTALLHLFHAAVQRKLPDVPNPLQILYIRISIPFPELEQLQDITIKRYNLQMLEAEG SMKQALGELQARHPQLEAVLMGTRRTDPYSCSLCPFSPDTPGWPAFMRINPLLDWTYRDIWDFLRQLFVPYC ILYDRGYTSLGSRNTVRNPALKCLSPGGHPTYPAYLLENEEEERNST
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme.

References

Cloning, expression and characterization of a human FAD synthetase.Fischer M.J., Kempter K., Bacher A. Chen X.G., Li Y. Large-scale cDNA transfection screening for genes related to cancer development and progression.Wan D., Gong Y., Qin W., Zhang P., Li J., Wei L., Zhou X., Li H., Qiu X., Zhong F., He L., Yu J., Yao G., Jiang H., Qian L., Yu Y., Shu H., Chen X. , Xu H., Guo M., Pan Z., Chen Y., Ge C., Yang S., Gu J.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004)Research Topic:Metabolism

Note: This product is for in vitro research use only