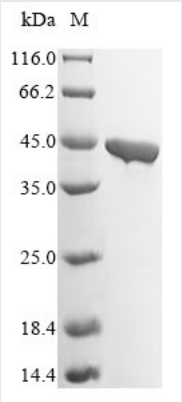
Flavonol Synthase/Flavanone 3-Hydroxylase (FLS1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Flavonol synthase/flavanone 3-hydroxylase (FLS1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Flavonol synthase/flavanone 3-hydroxylase (FLS1)
Product Gene Name	FLS1 recombinant protein
Product Synonym Gene Name	FLS1; At5g08640; MAH20.20
Product Synonym Names	Flavonol synthase/flavanone 3-hydroxylase; EC=1.14.11.23; EC=1.14.11.9; FLS 1
Sequence	MEVERVQDIS SSSLLTEAIP LEFIRSEKEQ PAITTFRGPT PAIPVVDLSD PDEESVRRAV VKASEEWGLF QVVNHGIPTE LIRRLQDVGR KFFELPSSEK ESVAKPEDSK DIEGYGTKLQ KDPEGKKAWV DHLFHRIWPP SCVNYRFWPK NPPEYREVNE EYAVHVKKLS ETLLGILSDG LGLKRDALKE GLGGEMAEYM MKINYYPPCP RPDLALGVPA HTDLSGITLL VPNEVPGLQV FKDDHWFDAE YIPSAVIVHI GDQILRLSNG RYKNVLHRTT VDKEKTRMSW PVFLEPPREK IVGPLPELTG DDNPPKFKPF AFKDYSYRKL NKLPLD
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	43.3 kDa
Sequence Positions	1-336aa; Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q96330
Species	Arabidopsis thaliana (Mouse-ear cress)
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **technical support team** **or email to** **support@mybiosource.com** for more details.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FLS1 recombinant protein	Catalyzes the formation of flavonols from dihydroflavonols. It can act on dihydrokaempferol to produce kaempferol, on dihydroquercetin to produce quercitin and on dihydromyricetin to produce myricetin. In vitro catalyzes the oxidation of both enantiomers of naringenin to give both cis- and trans-dihydrokaempferol.
Other Notes	Small volumes of FLS1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for FLS1 purchase	MBS1434193 is a recombinant protein targeting FLS1. Also known as Recombinant Arabidopsis thaliana Flavonol synthase/flavanone 3-hydroxylase (FLS1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-Page of FLS1 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FLS1. It may not necessarily be applicable to this product.

NCBI GI #	334187530
NCBI GeneID	830765
NCBI Accession #	NP_001190266.1
UniProt Primary Accession #	Q96330
UniProt Secondary Accession #	O04730; O04731; O04732; O04830; O04831; O04832
UniProt Related Accession #	Q96330
GenBank Nucleotide #	NM_001203337.1
NCBI Official Full Name	flavonol synthase 1
NCBI Official Symbol	FLS1
NCBI Official Synonym Symbols	ATFLS1; FLAVONOL SYNTHASE; flavonol synthase 1; FLS; FLS1; T2K12.5
UniProt Protein Name	Flavonol synthase/flavanone 3-hydroxylase
UniProt Synonym Protein Names	FLS 1
UniProt Gene Name	FLS1
UniProt Synonym Gene Names	FLS
UniProt Entry Name	FLS1_ARATH
NCBI Protein Information	flavonol synthase 1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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