

Inactive protein FRIGIDA (FRI), Recombinant Protein

Cat RP00277

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Inactive protein FRIGIDA (FRI)

Product Gene Name

FRI recombinant protein

Product Synonym Gene Name

FRI

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MSNYPPTVAA QPTTTANPLL QRHQSEQRRR ELPKIVETES TSMDITIGQS KQPQFLKSID ELAAFSVAVE
TFKRQFDDLQ KHIESIENAI DSKLESNGVV LAARNNNFHQ PMLSPPRNNV SVETTVTVSQ PSQEIVPETS
NKPEGERICE LMCSKGLRKY IYANISDQAK LMEEIPSALK LAKEPAKFVL DCIGKFYLQG RRAFTKESPM
SSARQVSLLI LESFLLMPDR GKGKVKIESW IKDEAETA AV AWRKRLMTEG GLAAAEKMDA RGLLLLACF
GVPSNFRSTD LLDLIRMSG S NEIAGALKRS QFQV

Sequence Positions

1-314, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

34,973 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Inactive protein

NCBI Accession

NP_567181.2

NCBI GI

334186252

NCBI GenBank Nucleotide

NM_116290.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Inactive protein FRIGIDA (FRI), Recombinant Protein

Cat RP00277

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)

NCBI GeneID

828044

NCBI Official Full Name

FRIGIDA-like protein

NCBI Official Symbol

FRI

NCBI Official Synonym Symbols

F6N23.25; F6N23_25; FLA; FLOWERING LOCUS A; FRIGIDA; REDUCED STEM BRANCHING 7; RSB7

NCBI Protein Information

FRIGIDA-like protein

NCBI Summary

Encodes a major determinant of natural variation in Arabidopsis flowering time. Dominant alleles of FRI confer a vernalization requirement causing plants to overwinter vegetatively. Many early flowering accessions carry loss-of-function fri alleles. Twenty distinct haplotypes that contain non-functional FRI alleles have been identified and the distribution analyzed in over 190 accessions. The common lab strains- Col and Ler each carry loss of function mutations in FRI.

UniProt Gene Name

FRI

UniProt Protein Name

Inactive protein FRIGIDA

UniProt Primary Accession

Q67Z93

UniProt Secondary Accession

O65274; Q9FDW0

UniProt Related Accession

Q67Z93

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY