

Probable transcription factor KAN2 (KAN2), Recombinant Protein

Cat RP02490

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 Probable transcription factor KAN2 (KAN2)

Product Gene Name

KAN2 recombinant protein

Product Synonym Gene Name

KAN2

Purity

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

Sequence

MELFPAQPD LSLQISPPNSK PSSTWQRRRS TTDQEDHEEL DLGFWRRALD SRTSSLVSNS TSKTINHPFQ
DLSLSNISHH QQQQHHHPQ LLPNCNSSNI LTSFQFPTQQ QQQHLQGFLA HDLNTHLRPI RGIPLYHNPP
PHHHPHRPPP PCFPDPSSL IPSSSTSSPA LTGNNSNFNT SSVSNPNYHN HHHQTLNRAR FMPRFPKRS
MRAPMRWTT TLHARFVHAV ELLGGHERAT PKSVLELMDV KDLTLAHVKS HLQMYRTVKT TDKAAASSGQ
SDVYENGSSG DNNSDDWMFD MNRKSRDSEE LTNPLEKSNG LWTNSSGEAR LHGKLIDNVA EIMLPSEKEL
DGKCSSYERI SSEEMSSSSI SGTSPFKPNL EFTLGRSH

Sequence Positions

1-388, 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

43,841 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

Probable transcription factor

NCBI Accession

NP_564392.1

NCBI GI

18398337

NCBI GenBank Nucleotide

NM_102957.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

840116

NCBI Official Full Name

Homeodomain-like superfamily protein

NCBI Official Symbol

KAN2

NCBI Official Synonym Symbols

F27G20.7; F27G20_7; KANADI 2

NCBI Protein Information

Homeodomain-like superfamily protein

NCBI Summary

Encodes a member of the KANADI family of putative transcription factors. Together with KAN1, this gene appears to be involved in the development of the carpel and the outer integument of the ovule. Along with KAN1 and KAN4 appears to regulate the proper localization of PIN1 in early embryogenesis.

UniProt Gene Name

KAN2

UniProt Protein Name

Probable transcription factor KAN2

UniProt Synonym Protein Names

Protein KANADI 2

UniProt Primary Accession

Q9C616

UniProt Related Accession

Q9C616

UniProt Comments

Probable transcription factor that regulates lateral organ polarity. Promotes abaxial cell fate during lateral organ formation. Functions with KAN1 in the specification of polarity of the ovule outer integument.

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