

BEL1-like homeodomain protein 4 (BLH4), Recombinant Protein

Cat RP01965

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* BEL1-like homeodomain protein 4 (BLH4) , partial

Product Gene Name

BLH4 recombinant protein

Product Synonym Gene Name

BLH4

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

69,271 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

BEL1-like homeodomain protein

NCBI Accession

NP_001031404.1

NCBI GI

79322883

NCBI GenBank Nucleotide

NM_001036327.2

NCBI GeneID

816908

NCBI Official Full Name

BEL1-like homeodomain 4

NCBI Official Symbol

BLH4

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

BEL1-like homeodomain protein 4 (BLH4), Recombinant Protein

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BEL1-like homeodomain 4; F27L4.6; F27L4_6; SAW2; SAWTOOTH 2

NCBI Protein Information

BEL1-like homeodomain 4

NCBI Summary

Encodes a member of the BEL family of homeodomain proteins. Plants doubly mutant for saw1/saw2 (blh2/blh4) have serrated leaves. BP is expressed in the serrated leaves, therefore saw2 and saw1 may act redundantly to repress BP in leaves.

UniProt Gene Name

BLH4

UniProt Synonym Gene Names

SAW2; BEL1-like protein 4

UniProt Protein Name

BEL1-like homeodomain protein 4

UniProt Synonym Protein Names

Protein SAWTOOTH 2

UniProt Primary Accession

Q94KL5

UniProt Secondary Accession

O64826; Q56WI2

UniProt Related Accession

Q94KL5

UniProt Comments

Transcription factor that establishes leaf shape by repressing growth in specific subdomains of the leaf. Negatively regulates knox homeobox gene KNAT1/BP expression.

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