

# BEL1-like homeodomain protein 1 (BLH1), Recombinant Protein

Cat RP02352

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## Species

Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana BEL1-like homeodomain protein 1 (BLH1) , partial

## Product Gene Name

BLH1 recombinant protein

## Product Synonym Gene Name

BLH1

## 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

74,463 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\_001031490.1

## NCBI GI #

79324414

## NCBI GenBank Nucleotide #

NM\_001036413.3

## NCBI GeneID

818167

## NCBI Official Full Name

BEL1-like homeodomain 1

## NCBI Official Symbol

BLH1

## NCBI Official Synonym Symbols

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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# BEL1-like homeodomain protein 1 (BLH1), Recombinant Protein

Cat *RP02352*

BEL1-like homeodomain 1; EDA29; embryo sac development arrest 29; F11F19.15; F11F19\_15

## NCBI Protein Information

BEL1-like homeodomain 1

## NCBI Summary

Encodes a member of the BEL-like homeodomain protein family. Ecotopic expression in the embryo sac leads to defects in nuclear migration and cellularization and embryo sacs with multiple egg cells. Loss of function alleles have no female gametophyte defects. The ecotopic expression phenotype requires KNAT3 because it can be suppressed by loss of KNAT3 function alleles. Localized to the nucleus but interaction with OFP1 relocates it to the cytoplasm.

## UniProt Gene Name

BLH1

## UniProt Synonym Gene Names

EDA29; BEL1-like protein 1

## UniProt Protein Name

BEL1-like homeodomain protein 1

## UniProt Synonym Protein Names

Protein EMBRYO SAC DEVELOPMENT ARREST 29

## UniProt Primary Accession #

Q9SJ56

## UniProt Secondary Accession #

Q42302; Q94KL4

## UniProt Related Accession #

Q9SJ56

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