

Ubiquitin carboxyl-terminal hydrolase 26 (UBP26), Recombinant Protein

Cat RP04819

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Ubiquitin carboxyl-terminal hydrolase 26 (UBP26) , partial

Product Gene Name

UBP26 recombinant protein

Product Synonym Gene Name

UBP26

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

119,934 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

Ubiquitin carboxyl-terminal hydrolase

NCBI Accession

NP_001325635.1

NCBI GI

1063715851

NCBI GenBank Nucleotide

NM_001339429.1

NCBI GenID

824122

NCBI Official Full Name

ubiquitin-specific protease 26

NCBI Official Symbol

UBP26

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Ubiquitin carboxyl-terminal hydrolase 26 (UBP26), Recombinant Protein

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NCBI Official Synonym Symbols

ATUBP26; SUP32; ubiquitin-specific protease 26

NCBI Protein Information

ubiquitin-specific protease 26

NCBI Summary

Encodes a ubiquitin-specific protease which catalyzes deubiquitination of histone H2B and is required for heterochromatin silencing. Loss of function mutations display autonomous endosperm development and embryo arrest. Loss of function also results in an increase in expression of the Pcg complex target gene PHE1.

UniProt Gene Name

UBP26

UniProt Synonym Gene Names

SUP32; AtUBP26

UniProt Protein Name

Ubiquitin carboxyl-terminal hydrolase 26

UniProt Synonym Protein Names

Deubiquitinating enzyme 26; AtUBP26; Ubiquitin thioesterase 26; Ubiquitin-specific-processing protease 26

UniProt Primary Accession

Q9SCJ9

UniProt Secondary Accession

Q9FPS1

UniProt Related Accession

Q9SCJ9

UniProt Comments

Recognizes and hydrolyzes the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Deubiquitinates H2BK143ub1 of histone H2B.

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