

# Histone-lysine N-methyltransferase ASHR3 (ASHR3), Recombinant Protein

Cat RP05073

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

## Full Product Name

Recombinant Arabidopsis thaliana Histone-lysine N-methyltransferase ASHR3 (ASHR3)

## Product Gene Name

ASHR3 recombinant protein

## Product Synonym Gene Name

ASHR3

## Purity

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

## Sequence

MLDLGNMSMS ASVALTCCPS FLPAASGP EL AKSINSPENL AGE CNGKHLP MIPPEEEVKD IKIANGVTAF  
TRKQNP SDRV KKGFLVDDHV KDWVKRRVAS GVSESTCFLP FLVGAKKMVD CLVCHKPVYP GEDLSCSVRG  
CQGAYHSLCA KESLGFSKSS KFKCPQHECF VCKQRTQWRC VKCPMAAHDK HSPWSKEILH LKDQPGRAVC  
WRHPTDWRLD TKHAVAQSEI EEVFCQLPLP YVEEEFKIDL AWKDSVVKED PPSYVHIRRN IYLVKKKRDN  
ANDGVGCTNC GPNCDRSCVC RVQCISCSKG CSCPESCGNR PFRKEKKIKI VKTEHCGWGV EAAESINKED  
FIVEYIGEVI SDAQCEQRLW DMKHKG MKDF YMCEIQKDFT IDATFKGNAS RFLNHSCNPN CVLEKWQVEG  
ETRVGVFAAR QIEAGEPLTY DYRFVQFGPE VKCNC GSENC QGYLGTKRKE PNCLV VSWGA KRRRLFHRPI  
ARKPQQD

## Sequence Positions

1-497, 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

56,122 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

Histone-lysine N-methyltransferase

## NCBI Accession #

NP\_567859.1

## NCBI GI #

18417683

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Histone-lysine N-methyltransferase ASHR3 (ASHR3), Recombinant Protein

Cat      *RP05073*

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)/ 0.1 mg (Mammalian-Cell)/ 1

**NCBI GenBank Nucleotide #**  
NM\_119233.2

**NCBI GeneID**  
829210

**NCBI Official Full Name**  
SET domain group 4

**NCBI Official Symbol**  
SDG4

**NCBI Official Synonym Symbols**  
ASH1-related 3; ASH1-RELATED 3; ASHR3; F6I18.230; F6I18\_230; SET domain group 4

**NCBI Protein Information**  
SET domain group 4

**NCBI Summary**  
Encodes a member of the trxG protein family. Contains a SET domain which is known to be involved in modification of histone tails by methylation. Interacts physically with AMS, but the implications of this interaction are unknown. Overexpression results in pleiotrophic developmental defects.

**UniProt Gene Name**  
ASHR3

**UniProt Synonym Gene Names**  
SDG4; SET4; SML

**UniProt Protein Name**  
Histone-lysine N-methyltransferase ASHR3

**UniProt Synonym Protein Names**  
ASH1-related protein 3; Protein SET DOMAIN GROUP 4; Protein stamen loss

**UniProt Primary Accession #**  
Q949T8

**UniProt Secondary Accession #**  
O65563

**UniProt Related Accession #**  
Q949T8

**UniProt Comments**  
Histone methyltransferase . Involved in stamen development.

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**