

# Lysine-rich arabinogalactan protein 19 (AGP19), Recombinant Protein

Cat RP05403

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 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 Lysine-rich arabinogalactan protein 19 (AGP19)

## Product Gene Name

AGP19 recombinant protein

## Product Synonym Gene Name

AGP19

## Purity

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

## Sequence

QGPAASPVTS TTTAPPPTTA APPTTAAPPP TTTTPPVSA QPPASPVTPP PAVTPTSPPA PKVAPVISPA  
TPPPQPPQSP PASAPTVSPP PVSPPPAPTS PPPTPASPPP APASPPAPA SPPAPVSP PVQAPSPISL  
PPAPAPPTK HKRKHKHKRH HHAPAPAPIP PS

## Sequence Positions

25-196, 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

24,484 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

Lysine-rich arabinogalactan protein

## NCBI Accession #

NP\_177041.3

## NCBI GI #

186493960

## NCBI GenBank Nucleotide #

NM\_105546.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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## NCBI GeneID

843203

## NCBI Official Full Name

arabinogalactan protein 19

## NCBI Official Symbol

AGP19

## NCBI Official Synonym Symbols

arabinogalactan protein 19; ARABINOGLACTAN PROTEIN 19; ATAGP19; F24J5.4; F24J5\_4

## NCBI Protein Information

arabinogalactan protein 19

## NCBI Summary

AGP19 is a lysine-rich arabinogalactan-protein (AGP) and part of a multi-gene family of glycoproteins with approx. 50 members. It falls into one subclass with AGP17 and AGP18, other lysine-rich AGPs. It is expressed in young leaves, shoots, roots and flowers. Non-consensus splice site at the intron:exon boundary (AT:exon)

## UniProt Gene Name

AGP19

## UniProt Synonym Gene Names

Lys-rich AGP 19

## UniProt Protein Name

Lysine-rich arabinogalactan protein 19

## UniProt Primary Accession #

Q9S740

## UniProt Secondary Accession #

F4HYX4

## UniProt Related Accession #

Q9S740

## UniProt Comments

Proteoglycan that seems to be implicated in diverse developmental roles such as differentiation, cell-cell recognition, embryogenesis and programmed cell death.

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