

LAG1 longevity assurance homolog 1 (LAG1), Recombinant Protein

Cat *RP02094*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* LAG1 longevity assurance homolog 1 (LAG1)

Product Gene Name

LAG1 recombinant protein

Purity

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

Sequence

MGLFESVKSI DWEQESFPTY QDLGFLPLFA VFFPTIRFLL DRFVFEKLAS LVIYGRMSTN KSDNIKDRKK
NSPKVRKFKE SAWKCIYYLS AELLALSVTY NEPWFSNTLY FWIGPGDQIW PDQPMKMKLK FLYMFAAGFY
TYSIFALVFW ETRRSDFGVS MGHHTTLVL IVLSYICRLT RAGSVILALH DASDVFLFLEIG KMSKYCGAES
LASISFVLFA LSWVVLRLIY YPFWILWSTS YQIIMTV DKE KHPNGPILYY MFNTLLYFLL VLHIFWWVLI
YRMLVKQVQD RGKLSQDVRS DSESDEDED

Sequence Positions

1-310aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

36,498 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

LAG1 longevity assurance

NCBI Accession

NP_566769.1

NCBI GI

18404559

NCBI GenBank Nucleotide

NM_113450.5

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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822140

NCBI Official Full Name

LAG1 longevity assurance-1

NCBI Official Symbol

LAG1

NCBI Official Synonym Symbols

LAG1 HOMOLOG 1; LONGEVITY ASSURANCE GENE 1

NCBI Protein Information

LAG1 longevity assurance-1

NCBI Summary

LAG1 homolog 1

UniProt Gene Name

LAG1

UniProt Synonym Gene Names

LAG1 homolog 1

UniProt Protein Name

LAG1 longevity assurance homolog 1

UniProt Entry Name

LAG11_ARATH

UniProt Primary Accession

Q9LDF2

UniProt Related Accession

Q9LDF2

UniProt Comments

Mediates resistance to sphinganine-analog mycotoxins (SAMs) by restoring the sphingolipid biosynthesis. Could salvage the transport of GPI-anchored proteins from the endoplasmic reticulum to the Golgi apparatus in ceramides-depleted cells after SAM exposure .

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