

Cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG3 (LOG3), Recombinant Protein

Cat RP02093

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 Cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG3 (LOG3)

Product Gene Name

LOG3 recombinant protein

Product Synonym Gene Name

LOG3

Purity

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

Sequence

MEIKGESMQK SKFRRICVFC GSSQGKKSSY QDAAVDLGNE LVSRNIDLVI GGGSIGLMGL VSQAVHDGGR
HVGIIIPKTL MPRELTGETV GEVRAVADMH QRKAEMAKHS DAFIALPGGY GTLEELLEVI TWAQLGIHDK
PVGLLNVDGY YNSLLSFIDK AVEEGFISPT AREIIVSAPT AKELVKKLEE YAPCHERVAT KLCWEMERIG YSSEE

Sequence Positions

1-215, 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

23,558 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

Cytokinin riboside 5'-monophosphate phosphoribohydrolase

NCBI Accession

NP_181258.2

NCBI GI

30687072

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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

NM_129277.3 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GeneID
818298

NCBI Official Full Name

lysine decarboxylase family protein

NCBI Official Symbol

LOG3

NCBI Official Synonym Symbols

LONELY GUY 3; T2N18.3; T2N18_3

NCBI Protein Information

lysine decarboxylase family protein

NCBI Summary

Encodes a protein of unknown function. It has been crystallized and shown to be structurally almost identical to the protein encoded by At5g11950.

UniProt Gene Name

LOG3

UniProt Protein Name

Cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG3

UniProt Synonym Protein Names

Protein LONELY GUY 3

UniProt Primary Accession

Q8L8B8

UniProt Secondary Accession

Q9ZQD5

UniProt Related Accession

Q8L8B8

UniProt Comments

Cytokinin-activating enzyme working in the direct activation pathway. Phosphoribohydrolase that converts inactive cytokinin nucleotides to the biologically active free-base forms.

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