

ATP-dependent Clp protease proteolytic subunit-related protein 2, chloroplastic (CLPR2), Recombinant Protein

Cat *RP04605*

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 ATP-dependent Clp protease proteolytic subunit-related protein 2, chloroplastic (CLPR2)

Product Gene Name

CLPR2 recombinant protein

Product Synonym Gene Name

CLPR2

Purity

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

Sequence

SGTGKASRSR VKMMPIGTPR VPYRNREEGT WQWVDIWNAL YRERVIFIGQ NIDEEFSNQI LATMLYLDTL
DDSRRIYMYL NGPGGDLTPS LAIYDTMKSL KSPVGTHCVG LAYNLAGFLL AAGEKGHRFA MPLSRIALQS
PAGAARGQAD DIQNEAKELS RIRDYLFNEL AKNTGQPAER VFKDLSRVKR FNAEEAIEYG LIDKIVRPPR
IKEDAPRQDE SAGLG

Sequence Positions

55-279, 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

31,209 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

ATP-dependent Clp protease proteolytic subunit-related protein

NCBI Accession

NP_563907.1

NCBI GI

18391391

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GenBank Nucleotide

NM_101113.4

NCBI GenelD

837797

NCBI Official Full Name

CLP protease proteolytic subunit 2

NCBI Official Symbol

CLP2

NCBI Official Synonym Symbols

CLP protease proteolytic subunit 2; CLPR2; EMB3146; EMBRYO DEFECTIVE 3146; F5O11.13; F5O11_13; NCLPP2; NUCLEAR-ENCODED CLP PROTEASE P2

NCBI Protein Information

CLP protease proteolytic subunit 2

NCBI Summary

Encodes a ClpP-related sequence. Though similar to ClpP proteins, this does not contains the highly conserved catalytic triad of Ser-type proteases (Ser-His-Asp). The name reflects nomenclature described in Adam et. al (2001).

UniProt Gene Name

CLPR2

UniProt Synonym Gene Names

nClpP2

UniProt Protein Name

ATP-dependent Clp protease proteolytic subunit-related protein 2, chloroplastic

UniProt Primary Accession

Q9XJ36

UniProt Secondary Accession

Q93ZD4

UniProt Related Accession

Q9XJ36

UniProt Comments

Required for chloroplast development and integrity. Involved in the regulation of plastoglobules formation.

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