

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

Species mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
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 YRERVFIGQ NIDEEFSNQI LATMLYLDL
DDSRRIYMYL NGPGGDLTPS LAIYDTMKSL KSPVGTHCVG LAYNLAGFL AAGEKGRFA MPLSRIALQS
PAGAARGQAD DIQNEAKELS RIRDYLNFEL 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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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

NCBI GenBank Nucleotide #
NM_101113.4
mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GenelID

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 contain 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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