

Protease Do-like 5, chloroplastic (DEGP5), Recombinant Protein

Cat RP05271

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 Protease Do-like 5, chloroplastic (DEGP5)

Product Gene Name

DEGP5 recombinant protein

Product Synonym Gene Name

DEGP5

Purity

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

Sequence

LEQFKEKEEEE LEEEEERNVN LFQKTSPSVV YIEAIELPKT SSGDILTDEE NGKIEGTGSG FVWDKLGHIV
TNYHVIKLA TDQFGLQRCK VSLVDAKGTR FSKEGKIVGL DPDNDLAVLK IETEGRELNP VVLGTSNDLR
VGQSCFAIGN PYGYENTLTI GVVSGLGREI PSPNGKSISE AIQTDADINS GNSGGPLLDS YGHTIGVNTA
TFTRKSGSMS SGVNFAIPID TVVRTVPYLI VYGTAYRDRF

Sequence Positions

74-323, 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

34,923 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

Protease

NCBI Accession

NP_567552.2

NCBI GI

30684381

NCBI GenBank Nucleotide

NM_117947.5

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 1

827564 mg (*E-Coli*)/ 0.1 mg (*Baculovirus*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)

NCBI Official Full Name

DEGP protease 5

NCBI Official Symbol

DEG5

NCBI Official Synonym Symbols

DEGP protease 5; DEGP PROTEASE 5; DEGP5; degradation of periplasmic proteins 5; F28J12.30; F28J12_30; HHOA; PROTEASE HHOA PRECUSOR

NCBI Protein Information

DEGP protease 5

NCBI Summary

Encodes DEG5. Forms a hexamer with DEG8 in the thylakoid lumen. Involved in the cleavage of photodamaged D2 protein of photosystem II (PSII).

UniProt Gene Name

DEGP5

UniProt Synonym Gene Names

HHOA

UniProt Protein Name

Protease Do-like 5, chloroplastic

UniProt Primary Accession

Q9SEL7

UniProt Secondary Accession

O49507; Q93ZW5

UniProt Related Accession

Q9SEL7

UniProt Comments

Probable serine protease.

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