

Protein PROTON GRADIENT REGULATION 5, chloroplastic (PGR5), Recombinant Protein

Cat RP02085

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Arabidopsis thaliana (Mouse-ear cress) Cell)

Full Product Name

Recombinant Arabidopsis thaliana Protein PROTON GRADIENT REGULATION 5, chloroplastic (PGR5)

Product Gene Name

PGR5 recombinant protein

Product Synonym Gene Name

PGR5

Purity

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

Sequence

QQARVSRKAI RAVPMMKNVN EGKGLFAPLV VVTRNLVGKK RFNQLRGKAI ALHSQVITEF CKSIGADAKQ
RQGLIRLAKK NGERLGFLA

Sequence Positions

45-133, 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

14,293 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

Protein PROTON GRADIENT REGULATION

NCBI Accession

NP_001318202.1

NCBI GI

1063700182

NCBI GenBank Nucleotide

NM_001335284.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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815111 (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

proton gradient regulation 5

NCBI Official Symbol

PGR5

NCBI Official Synonym Symbols

AtPGR5; proton gradient regulation 5; T20G20.3; T20G20_3

NCBI Protein Information

proton gradient regulation 5

NCBI Summary

Involved in electron flow in Photosystem I. Essential for photoprotection.

UniProt Gene Name

PGR5

UniProt Protein Name

Protein PROTON GRADIENT REGULATION 5, chloroplastic

UniProt Primary Accession

Q9SL05

UniProt Secondary Accession

Q8LE53

UniProt Related Accession

Q9SL05

UniProt Comments

Involved in the regulation of the cyclic electron flow (CEF) around Photosystem I. Essential for the reduction of PGRL1A by ferredoxin and for photoprotection.

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