

Probable indole-3-acetic acid-amido synthetase GH3.12 (GH3.12), Recombinant Protein

Cat *RP13467*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Probable indole-3-acetic acid-amido synthetase GH3.12 (GH3.12), partial

Product Gene Name

GH3.12 recombinant protein

Product Synonym Gene Name

GH3.12

Purity

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

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E. coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

66,659 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

Probable indole-3-acetic acid-amido synthetase

NCBI Accession

Q53P49.1

NCBI GI

75269829

NCBI Official Full Name

Probable indole-3-acetic acid-amido synthetase GH3.12

UniProt Gene Name

GH3.12

UniProt Synonym Gene Names

OsGH3-12

UniProt Protein Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Probable indole-3-acetic acid-amido synthetase GH3.12

UniProt Synonym Protein Names

Auxin-responsive GH3-like protein 12; OsGH3-12; OsJAR3Curated

UniProt Primary Accession

Q53P49

UniProt Secondary Accession

Q2R9L4; A0A0P0XZN2

UniProt Comments

May catalyze the synthesis of indole-3-acetic acid (IAA)-amino acid conjugates, providing a mechanism for the plant to cope with the presence of excess auxin.

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