

Putative indole-3-acetic acid-amido synthetase GH3.10 (GH3.10), Recombinant Protein

Cat *RP13427*

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Putative indole-3-acetic acid-amido synthetase GH3.10 (GH3.10)

Product Gene Name

GH3.10 recombinant protein

Product Synonym Gene Name

GH3.10

Purity

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

Sequence

MAAKGISTIG AASRSLSSSL MAAAKEPDVE NLRLEEELTS NVDAVQERVL AEILGRNADA EYLDKCGLDA
SDTDRATFRA KVPVASYDDL KPYVKRIANG DRSPILSTHP IIEFFTSSGT SAGERKLMPI VTDEMARREV
LSSLATSVLN VYVPGHTGK GLYFLFARSE TKTPGGLTAQ PALTSVYKSE HFKRAYAYTS PMAAILCEDA
SQSMYAQMLC GLCQRHDVLR VGAVFAAALV RAIRFLQLNW AQLAADIETG ELNPRVTDPS DRECSRGDWT
GIVTRLWPKT KCLNVVVTGV MAQYIPTLQY YSGGLPIVSG MYASSECFEG LNLRLPLCGPS EVSYTIMPNT
AYFEFLPVGE AVDASNLVEL ARVEDGREYE VVVTTYAGLN RYRVGDVLCV TGFHNAAPQF RFVRRQSVLL
SIEADKTDEA ELQRAVERAS SALLRPRGAS IVEYTSRACT ERVPGHFSPA LPHWTLAP

Sequence Positions

1-478, 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

52,280 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

Putative indole-3-acetic acid-amido synthetase

NCBI Accession

Q6ZLA7.1

NCBI GI

75136491

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Putative indole-3-acetic acid-amido synthetase GH3.10

NCBI Official Full Name

UniProt Gene Name

GH3.10

UniProt Synonym Gene Names

OsGH3-10

UniProt Protein Name

Putative indole-3-acetic acid-amido synthetase GH3.10

UniProt Synonym Protein Names

Auxin-responsive GH3-like protein 10; OsGH3-10

UniProt Primary Accession

Q6ZLA7

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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