

Glutamine synthetase root isozyme 3 (GLN4), Recombinant Protein

Cat *RP10378*

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)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

Species

Zea mays (Maize)

Full Product Name

Recombinant Zea mays Glutamine synthetase root isozyme 3 (GLN4)

Product Gene Name

GLN4 recombinant protein

Purity

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

Sequence

MACLTDLVNL NLSDTTEKII AEYIWIGGSG MDLRKARTL SGPVTDPSKL PKWNYDGSST GQAPGEDSEV
ILYPQAIFKD PFRRGNLILV MCDCYTPAGE PIPTNKRYNA AKIFSSPEVA AEEPWYGIEQ EYTLLQKDTN
WPLGWPIGGF PGPQGPYYCG IGAEKSFGRD IVDHYKACL YAGINISGIN GEVMPGQWEF QVGPSVGISS
GDQVWVARYI LERITEIAGV VVTFDPKPIP GDWNGAGAHT NYSTESMRKE GGYEVIKAAI EKLKLRHREH
IAAYGEGNDG RLTGRHETAD INTFSWGVAN RGASVRVGRE TEQNGKGYFE DRPASNMDP YVVTSMIAET
TIIWKP

Sequence Positions

1-356, 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

39,169 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

Glutamine synthetase root isozyme

NCBI Accession

NP_001105296.1

NCBI GI

162463755

NCBI GenBank Nucleotide

NM_001111826.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

542214

NCBI Official Full Name

glutamine synthetase root isozyme 3

NCBI Official Symbol

gln4

NCBI Official Synonym Symbols

gs1-3; gln1-3; GRMZM5G872068

NCBI Protein Information

glutamine synthetase root isozyme 3

UniProt Gene Name

GLN4

UniProt Synonym Gene Names

GS1-3

UniProt Protein Name

Glutamine synthetase root isozyme 3

UniProt Synonym Protein Names

GS112; Glutamate--ammonia ligase

UniProt Primary Accession

P38561

UniProt Related Accession

P38561

UniProt Comments

Plays a role in the flow of nitrogen into nitrogenous organic compounds.

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