

Protein TIC 22, chloroplastic (TIC22), Recombinant Protein

Cat RP05064

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

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

Full Product Name

Recombinant Arabidopsis thaliana Protein TIC 22, chloroplastic (TIC22)

Product Gene Name

TIC22 recombinant protein

Product Synonym Gene Name

TIC22

Purity

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

Sequence

QSKSGPTTT LSPSLVAKAL AGTSVFTVSN TNNEFVLISD PTGGKSIGLL CFRQEDAEAF LAQARLRRRE
LKTNAKVVPI TLDQVYLLKV EGISFRFLPD PIQIKNALEL KSSGNKNGFD GVPVFQSELL VVRKKNRRYC
PVYFSKEDIE RELSKYTRAS RGDDQQIMVGS LEDVLRKMEM SEKNNSGWEDV IFIPPGRSYA QHMQDLIKE

Sequence Positions

60-268, 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

26,973 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

NCBI Accession

NP_001190901.1

NCBI GI

334187125

NCBI GenBank Nucleotide

NM_001203972.1

NCBI GenelD

829471

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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-Tic22-like family protein Cell)

NCBI Official Full Name

Tic22-IV

NCBI Official Synonym Symbols

AtTic22-IV; F17M5.110; F17M5_110; translocon at the inner envelope membrane of chloroplasts 22-IV

NCBI Protein Information

Tic22-like family protein

UniProt Gene Name

TIC22

UniProt Synonym Gene Names

TIC22-IV; AtTIC22

UniProt Protein Name

Protein TIC 22, chloroplastic

UniProt Synonym Protein Names

Translocon at the inner envelope membrane of chloroplasts 22; AtTIC22

UniProt Primary Accession

Q9S2B2

UniProt Secondary Accession

F4JIW4

UniProt Related Accession

Q9S2B2

UniProt Comments

Involved in protein precursor import into chloroplasts. Imported into the intermembrane space via the Toc translocon. May be involved in the import pathway used by proteins without a cleavable N-terminal pre-sequence .

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