

# 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

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

## Species

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

QSKSGTPTTT LSPSLVAKAL AGTSVFTVSN TNNEFVLISD PTGGKSIGLL CFRQEDAEAF LAQARLRRRE  
LKTNAKVPI TLDQVYLLKV EGISFRFLPD PIQIKNALEL KSSGNKNGFD GVPVFQSELL VVRKKNRRYC  
PVYFSKEDIE RELSKYTRAS RGDQQIMVGS LEDVLRKMEM SEKN SGWEDV 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 GeneID

829471

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

## NCBI Official Full Name

Tic22-like family protein

## NCBI Official Symbol

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 #

Q9SZB2

## UniProt Secondary Accession #

F4JIW4

## UniProt Related Accession #

Q9SZB2

## 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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