

CYSTM1 family protein A (AT2G41420), Recombinant Protein

Cat RP00496

Size 0.02 mg/ 0.1 mg/ 5x0.1 mg

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana CYSTM1 family protein A (At2g41420)

Product Gene Name

AT2G41420 recombinant protein

Purity

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

Sequence

MSQYNQPPVG VPPPQGYPE GYPKDAYPPQ GYPPQGYPQQ GYPPQGYPQQ GYPQQGYPPP
YAPQYPPPPQ HQQQQSSPGF LEGCLAALCC CCLLDACF

Sequence Positions

1-98aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

10,728 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Cysteine-rich and transmembrane domain-containing protein

NCBI Accession

NP_181673.1

NCBI GI

15227350

NCBI GenBank Nucleotide

NM_129705.3

NCBI GeneID

818740

NCBI Official Full Name

proline-rich uncharacterized protein

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

NCBI Official Symbol

AT2G41420

NCBI Official Synonym Symbols

F13H10.3; F13H10_3

NCBI Protein Information

proline-rich uncharacterized protein

UniProt Gene Name

At2g41420

UniProt Protein Name

Cysteine-rich and transmembrane domain-containing protein A

UniProt Entry Name

CYT1A_ARATH

UniProt Primary Accession

Q8S8M0

UniProt Related Accession

Q8S8M0

UniProt Comments

Required for the promotion of megasporogenesis, or promotion of germ cell formation from somatic precursor cells. Acts redundantly with WIH1. Functions in a genetic pathway downstream of SPL/NZZ and WUS and together with TRN2 in promoting megasporogenesis.

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