

Serine/threonine-protein kinase HT1 (HT1), Recombinant Protein

Cat RP00370

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 Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Serine/threonine-protein kinase HT1 (HT1)

Product Gene Name

HT1 recombinant protein

Product Synonym Gene Name

HT1

Purity

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

Sequence

MSGLCFNPFR LRWSLRSLKLP LEPSLPNLPC NPSSSKTNRV AEAETMEKKR FDSMESWSMI LESENVETWE
ASKGEREEWT ADLSQLFIGN KFASGAHSRI YRGIYKQRAV AVKVMVRIPTH KEETRAKLEQ QFKSEVALLS
RLFHPNIVQF IAACKKPPVY CIITEYMSQG NLRMYLNKKE PYSLSIETVL RLALDISRGM EYLHSQGVIIH
RDLKSNLLLL NDEMVRKVAD FGTSCLTQC REAKGNMGTY RWMAPEMIKE KPYTRKVDVY SFGIVLWELT
TALLPFQGMT PVQAAFAVAE KNERPPLPAS CQPALAHLIK RCWSENPSKR PDFSNIVAVL EKYDECVKEG
LPLTSHASLT KTKKAILDHL KGCVTSSISP FSSSSVPVNA

Sequence Positions

1-390, 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

44,281 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

Serine/threonine-protein kinase

NCBI Accession

NP_176430.2

NCBI GI

1063678561

NCBI GenBank Nucleotide

NM_104920.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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)

NCBI GeneID

842538

NCBI Official Full Name

Protein kinase superfamily protein

NCBI Official Symbol

HT1

NCBI Official Synonym Symbols

F24O1.13; F24O1_13; high leaf temperature 1

NCBI Protein Information

Protein kinase superfamily protein

UniProt Gene Name

HT1

UniProt Protein Name

Serine/threonine-protein kinase HT1

UniProt Synonym Protein Names

High leaf temperature protein 1

UniProt Primary Accession

Q2MHE4

UniProt Secondary Accession

Q9MAV2; F4HYS2

UniProt Related Accession

Q2MHE4

UniProt Comments

Serine/threonine kinase involved in the control of stomatal movement in response to CO₂. Shows a reduced response to ABA or light compared to CO₂.

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