

Chalcone synthase 1 (CHS1), Recombinant Protein

Cat *RP18515*

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
Species (*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Glycine max (*Soybean*) (*Glycine hispida*)

Full Product Name

Recombinant Glycine max Chalcone synthase 1 (CHS1)

Product Gene Name

CHS1 recombinant protein

Purity

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

Sequence

MVSVEEIRKA QRAEGPATVM AIGTATPPNC VDQSTYPDYY FRITNSEHMT ELKEKFKRMC DKSMIKKRYM
YLNEEILKEN PSVCAYMAPS LDARQDMVVV EVPKLGKEAA TKAKEWGP KSKITHLIFC TTSGVDMPGA
DYQLTKLLGL RPSVKRYMMY QQGCFAGGTV LRLAKDLAEN NKGARVLVVC SEITAVTFRG PTDTHLDSLV
GQALFGDGAA AVIVGSDPLP VEKPLFQLVW TAQTILPDSE GAIDGHLREV GLTFHLLKDV PGLISKNIEK
ALVEAFQPLG ISDYNISIFI AHPGGPAILD QVEAKLGLKP EKMEATRHVL SEYGNMSSAC VLFILDQMRK
KSIENGLGTT GEGLDWGVLF GFGPGLTVET VVLRSVTL

Sequence Positions

1-388, 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

42,516 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

Chitin synthase

NCBI Accession

XP_003531225.1

NCBI GI

356525221

NCBI GenBank Nucleotide

XM_003531177.3

NCBI GeneID

732575

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-
GMACHS1 Cell)

NCBI Official Synonym Symbols

CHS1; ICHS1

NCBI Protein Information

chalcone synthase 1

UniProt Gene Name

CHS1

UniProt Protein Name

Chalcone synthase 1

UniProt Synonym Protein Names

Naringenin-chalcone synthase 1

UniProt Primary Accession

P24826

UniProt Related Accession

P24826

UniProt Comments

The primary product of this enzyme is 4,2',4',6'-tetrahydrochalcone (also termed naringenin-chalcone or chalcone) which can under specific conditions spontaneously isomerize into naringenin.

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