Chalcone synthase 3 (CHS3), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP20188*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Camellia sinensis (Tea)

Full Product Name
Recombinant Camellia sinensis Chalcone synthase 3 (CHS3)

Product Gene Name
CHS3 recombinant protein

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

Sequence
MVTVEDVWRA QRARGPATVL AIGTATPPNC VDQSTYPDYY FRITNSEHKV ELKEKFKRMC DKSMIKKRYM YLTEEILKEN PLVCEYMAPS LDARQDMVVV EVPKLGKEAA TKAIKEWGQP KSKITHLVFC TTSGVDMPGA DYQLTKLLGL RPSVKRLMMY QQGCFAGGTV LRLAKDLAEN NKGARVLVVC SEITAVTFRG PSDTHLDSLV GQSLFGDGAA AIIIGSDPIP EVEKPLFELV SAAQTILPSS DGAIDGHLRE VGLTFHLLKD VPRLISMNVE KSLVEAFQPL GISDWNSLFW IAHPGGPAIL DQVELKLGLK EEKLRATRHV LSEYGNMSSA CVLFILDEMR KKSAEEGLKT TGEGLEWGVL FGFGPGLTVE TVVLHSLCT

Sequence Positions
1-389, 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
42,815 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Chitin synthase

NCBI Accession
P48388.1

NCBI GI
1345792

NCBI Official Full Name
Chalcone synthase 3

UniProt Gene Name
CHS3

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https://www.cd-biosciences.com/plant-protein/

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UniProt Protein Name

Chalcone synthase 3

UniProt Synonym Protein Names

Naringenin-chalcone synthase 3

UniProt Primary Accession

P48388

UniProt Comments

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

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