

Recombinant Yeast CHS3 Protein, His-tagged

SPECIFICATION

Cat.No.	CHS3-23Y
Species	Saccharomyces cerevisiae
Product Name	Recombinant Yeast CHS3 Protein, His-tagged
Product Overview	Recombinant Yeast CHS3 protein (4-200aa) with a N-terminal 6xHis tag was expressed in E.coli.
Source	E. coli
Tag	His
Molecular Mass	26.6 kDa
AA Sequence	QNNRSRNEYHSNRKNEPSYELQNAHSGLFHSSNEELTNRNQRYTNQNASMG SFTP VQSLQFPEQSQQTNMLYNGDDGNNNTINDNERDIYGGFVNHHRRQPPPPATAEYNDV FNTNSQQLPSEHQYNNVPSYPLPSINVIQTTPELIHNGSQTMATPIERPFFNENDYYY NNRNSRTSPSIASSSDGYADQEARPILE
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade, -80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade, -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Gene Name	CHS3 chitin synthase CHS3 [Saccharomyces cerevisiae S288C]
Official Symbol	CHS3
Synonyms	CHS3; chitin synthase CHS3; CAL1; CSD2; DIT101; KTI2; chitin synthase CHS3; EC 2.4.1.16; Chitin synthase III; catalyzes the transfer of N-acetylglucosamine (GlcNAc) to chitin; required for synthesis of the majority of cell wall chitin, the chitin ring during bud emergence, and spore wall chitosan; contains overlapping di-leucine and di-acidic signals that mediate, respectively, intracellular trafficking by AP-1 and trafficking to

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plasma membrane by exomer complex; requires AP-3 complex for its intracellular retention

UniProt ID	P29465
Gene ID	852311
mRNA Refseq	NM_001178371
Protein Refseq	NP_009579
Storage Buffer	Tris-based buffer, 50% glycerol
Sequence	QNNRSRNEYHSNRKNEPSYELQNAHSGLFHSSNEELTNRNQRYTNQNASMG SFTP VQSLQFPEQSQQTNMLYNGDDGNNNTINDNERDIYGGFVNHHRQRPPPPATAEYNDV FNTNSQQLPSEHQYNNVPSYPLPSINVQTTPELIHNGSQTMATPIERPFFNENDYYY NNRNSRTSPSIASSSDGYADQEARPILE