

SUC2 Protein, *Saccharomyces cerevisiae* (P.pastoris, His)

Cat. No.:	HY-P74534
Synonyms:	Invertase 2; Saccharase; SUC2; Beta-fructofuranosidase 2
Species:	Others
Source:	P. pastoris
Accession:	P00724 (S20-K532)
Gene ID:	854644
Molecular Weight:	Approximately 60 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SUC2 gene is a unlinked loci of the <i>S. cerevisiae</i> genome ^[1] . SUC2 gene encodes two forms of invertase: one is secreted glycosylated form, the synthesis of which is regulated by glucose inhibition, and the other is a constitutively produced intracellular nonglycosylated enzyme ^[2] . SUC2 Protein, <i>Saccharomyces cerevisiae</i> (P.pastoris, His) enables beta-fructofuranosidase activity and inulinase activity and is involved in the catabolism of inulin, raffinose and sucrose ^{[3][4][5]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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