

Active Recombinant Bacterial Sucrose phosphorylase, His tagged

Cat. No. SPase-19B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The sucrose phosphorylase SP01 is a mesophilic enzyme of bacterial origin. Recombinant from E. coli, purified by His6-Tag affinity chromatography. Produced and sold for research purposes and in vitro use only.
Species	Bacterial
Source	E.coli
Description	It catalyzes the reversible phosphorolytic breakdown of sucrose, with the formation of D-fructose and alpha-D-glucose 1-phosphate. In the reverse reaction, various ketoses and L-arabinose may replace D-fructose.
Form	Liquid, buffered, 50 % (v/v) glycerin
Molecular Mass	57.1 kDa
Storage	At -20 centigrade
EC No.	2.4.1.7
CAS No.	9074-06-0
Catalyzed reaction(s)	sucrose + phosphate = D-fructose + α-D-glucose 1-phosphate

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Example reaction conditions	N/A Please note that optimal reaction conditions - especially reaction time and/or enzyme concentration - may vary depending on the substrate.
------------------------------------	--

Other characteristics	Mesophilic
------------------------------	------------

GENE INFORMATION

Official Symbol	SPase
------------------------	-------

Synonyms	SPase; sucrose glucosyltransferase; disaccharide glucosyltransferase; sucrose:phosphate alpha-D-glucosyltransferase
-----------------	---

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA