Creative Enzymes®

Glucan 1,4-α-maltohexaosidase 13A from Bacillus halodurans, Recombinant

Cat. No. NATE-1296

Lot. No. (See product label)

Introduction

Description	Glucan 1,4-alpha-maltohexaosidase (EC 3.2.1.98, exo-maltohexaohydrolase, 1,4-alpha-D-glucan maltohexaohydrolase) is an enzyme with systematic name 4-alpha-D-glucan maltohexaohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of (1->4)-alpha-D-glucosidic linkages in amylaceous polysaccharides, to remove successive maltohexaose residues from the non-reducing chain ends. The products have the alpha-configuration.
Synonyms	Glucan 1,4-alpha-maltohexaosidase; EC 3.2.1.98; exo-maltohexaohydrolase; 1,4-alpha-D-glucan maltohexaohydrolase; 4-α-D-glucan maltohexaohydrolase4-α-D-glucan maltohexaohydrolase

Product Information

Species	Bacillus halodurans
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.98
CAS No.	72561-12-7
Molecular Weight	64.9 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7
Optimum temperature	25 °C
Specificity	Starch

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.