

oligo-1,6-glucosidase

Cat. No. EXWM-3782

Lot. No. (See product label)

Introduction

Description This enzyme, like EC 3.2.1.33 (amylase- α -1,6-glucosidase), can release an α -1 \rightarrow 6-linked glucose, whereas the shortest chain that can be released by EC 3.2.1.41 (pullulanase), EC 3.2.1.142 (limit dextrinase), and EC 3.2.1.68 (isoamylase) is maltose. It also hydrolyses isomaltulose (palatinose), isomaltotriose and panose, but has no action on glycogen or phosphorylase limit dextrin. The enzyme from intestinal mucosa is a single polypeptide chain that also catalyses the reaction of EC 3.2.1.48 (sucrose α -glucosidase). Differs from EC 3.2.1.33 (amylase- α -1,6-glucosidase) in its preference for short-chain substrates and in its not requiring the 6-glucosylated residue to be at a branch point, i.e. linked at both C-1 and C-4.

Synonyms limit dextrinase (erroneous); isomaltase; sucrase-isomaltase; exo-oligo-1,6-glucosidase; dextrin 6 α -glucanohydrolase; α -limit dextrinase; dextrin 6-glucanohydrolase; oligosaccharide α -1,6-glucohydrolase; α -methylglucosidase

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.2.1.10

CAS No. 9032-15-9

Reaction Hydrolysis of (1 \rightarrow 6)- α -D-glucosidic linkages in some oligosaccharides produced from starch and glycogen by EC 3.2.1.1 (α -amylase), and in isomaltose

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.