

## Enzyme Glucan 1,4- $\alpha$ -maltohydrolase

**Systematic name** 4- $\alpha$ -D-glucan  $\alpha$ -maltohydrolase

**IUBMB nomenclature** Glucan 1,4- $\alpha$ -maltohydrolase

**CAS number** 160611-47-2

**IUBMB number** EC 3.2.1.133

**EC number** None

**Synonyms**

- maltogenic  $\alpha$ -amylase; 1,4- $\alpha$ -D-glucan  $\alpha$ -maltohydrolase

**Properties** Hydrolysis of (1 $\rightarrow$ 4)- $\alpha$ -D-glucosidic linkages in polysaccharides so as to remove successive  $\alpha$ -maltose residues from the non-reducing ends of the chains. Acts on starch and related polysaccharides and oligosaccharides. The product is  $\alpha$ -maltose; cf. EC 3.2.1.2  $\beta$ -amylase.