

Isoamylase (Glycogen 6-Glucanohydrolase) from *Flavobacterium odoratum*

Product Information

Cat#	DIA-532
Source	<i>Flavobacterium odoratum</i>
Description	Pure isoamylase (glycogen 6-glucanohydrolase) (<i>Flavobacterium odoratum</i>) for use in research, biochemical enzyme assays and analytical testing applications.
Form	Suspension
ECNumber	3.2.1.68
Activity	~ 140 U/mg (40 °C, pH 6.0 with 1 mM CaCl ₂ on oyster glycogen)
CAS No.	9067-73-6
Optimum temperature	50 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of isoamylase activity is defined as the amount of enzyme required to release one µmole of glucose reducing sugar equivalents per minute from oyster glycogen (10 mg/mL) in MES buffer (100 mM, pH 6.0) plus 1 mM CaCl ₂ at 40 °C.
Storage	4 °C
Synonyms	Isoamylase; glycogen 6-α-D-glucanohydrolase
Buffer	3.2 M ammonium sulphate
Applications	Applications in carbohydrate research and in the food and feeds, and cereals industry.
Molecular Weight	83000 Da
Concentration	~ 200 U/mL
Specificity	Hydrolysis of (1,6)-α-D-glucosidic branch linkages in glycogen, amylopectin and their β-limit dextrans.