

## High Purity Isoamylase from *Flavobacterium odoratum*

### Product Information

<b>Cat#</b>	DIA-532
<b>Source</b>	<i>Flavobacterium odoratum</i>
<b>Description</b>	Pure isoamylase (glycogen 6-gluconohydrolase) from <i>Flavobacterium odoratum</i> for use in research, biochemical enzyme assays and analytical testing applications.
<b>Form</b>	Suspension
<b>CAS No.</b>	9067-73-6
<b>Activity</b>	~ 140 U/mg (40 °C, pH 6.0 with 1 mM CaCl <sub>2</sub> on oyster glycogen)
<b>Unit Definition</b>	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 <sub>2</sub> at 40 °C.
<b>Storage</b>	4 °C
<b>Synonyms</b>	Isoamylase; glycogen 6-α-D-gluconohydrolase
<b>Enzyme Commission Number</b>	EC 3.2.1.68
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum temperature</b>	50 °C
<b>Buffer</b>	3.2 M ammonium sulphate
<b>Applications</b>	Applications in carbohydrate research and in the food and feeds, and cereals industry.
<b>Molecular Weight</b>	83000 Da
<b>Concentration</b>	~ 200 U/mL
<b>Specificity</b>	Hydrolysis of (1,6)-α-D-glucosidic branch linkages in glycogen, amylopectin and their β-limit dextrans.