



## Product Information

### Recombinant *Streptococcus mutans* dextranase 66A

**Cat. No.:** X23-08-YM482

**Size:** 0.25 mg; 0.50 mg; 0.75 mg; 1 mg

**Enzyme Commission Number:** 3.2.1.11

**Synonym:** SmDex66A;  $\beta$ -Glucanas;  $\beta$ -Dextranase

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	Recombinant <i>Streptococcus mutans</i> dextranase 66A produced by <i>Escherichia coli</i> is responsible for catalyzing the hydrolysis of $\alpha$ -(1,6)-glucosidic bonds in dextran.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Streptococcus mutans</i>
<b>Concentration</b>	0.25 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Dextranases
<b>Buffer</b>	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM $\text{CaCl}_2$ , and 25% (v/v) glycerol
<b>Applications</b>	Recombinant <i>Streptococcus mutans</i> dextranase 66A possesses multitudinous applications in the research for food processing, sugar modification, drug preparation, and medicine for enhancing the activity of Endocarditis antibiotics. It has the ability to hydrolyze dextrans.
<b>Storage</b>	Store at $-20^\circ\text{C}$ .