

## Fructanase Mixture (Powder)

### Product Information

<b>Cat#</b>	DIA-528
<b>Source</b>	Aspergillus sp.
<b>Description</b>	High purity fructanase mixture (powder) for use in research, biochemical enzyme assays and analytical testing applications.
<b>Form</b>	Lyophilised powder
<b>ECNumber</b>	Endo-Inulinase: 3.2.1.7 Exo-Inulinase: 3.2.1.80
<b>Optimum pH</b>	4.5
<b>Optimum temperature</b>	40 °C
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Unit Definition</b>	Endo-inulinase: One unit of endo-inulinase activity is defined as the amount of enzyme required to release one $\mu$ mole of $\beta$ -D-fructose reducing-sugar equivalents per minute from inulin (20 mg/mL) in sodium acetate buffer (100 mM), pH 4.5. Exo-inulinase: One unit of exo-inulinase activity is defined as the amount of enzyme required to release one $\mu$ mole of $\beta$ -D-fructose reducing-sugar equivalents per minute from kestose (5 mg/mL) in sodium acetate buffer (100 mM), pH 4.5 at 40 °C.
<b>Storage</b>	Below -10 °C
<b>Synonyms</b>	Endo-inulinase: 1- $\beta$ -D-fructan fructanohydrolase Exo-inulinase: fructan $\beta$ -fructosidase