

## Native $\alpha$ -L-fucosidase (AFU) from Microorganism

### Product Information

<b>Cat#</b>	BDE-026
<b>Description</b>	$\alpha$ -L-Fucosidase (AFU) hydrolyzes fucosyl-containing substrates and serves as a marker enzyme for the diagnosis of important diseases such as hepatocellular carcinoma.
<b>Applications</b>	Used in hepatocellular carcinoma diagnosis kits as the enzyme for the direct detection of the serum biomarker $\alpha$ -L-fucosidase.
<b>Enzyme Commission Number</b>	EC 3.2.1.51
<b>Form</b>	Colorless transparent liquid
<b>Source</b>	Microorganism
<b>Activity</b>	$\geq 5$ U/mL
<b>Unit Definition</b>	One unit is defined as the amount of enzyme required to hydrolyze 1 $\mu$ mol of CNP-AFU per minute under specified assay conditions.
<b>Molecular Weight</b>	55 kDa (SDS-PAGE)
<b>Purity</b>	$\geq 90\%$
<b>Optimum pH</b>	7.5
<b>Optimum temperature</b>	80°C
<b>pH Stability</b>	7.0-10.0 (25°C, 16 h)
<b>Thermal Stability</b>	< 90°C (pH 8.0, 30 min)
<b>Isoelectric Point</b>	6.2
<b>Storage</b>	Store at -25°C to -15°C for 12 months to maintain at least 90% activity.