Creative Enzymes
Diagnostic Enzymes

High Purity Alpha-Fucosidase

Product Information

Cat#	DIA-499
Source	Thermotoga maritima
Description	High purity recombinant α-fucosidase from Thermotoga maritima for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	9037-65-4
Activity	~ 2.5 U/mg protein (25 °C) ~ 4 U/mg protein (37 °C) ~ 15 U/mg protein (60 °C) ~ 200 U/mg protein (95 °C)
Unit Definition	One unit of α-fucosidase activity is defined as the amount of enzyme required to release one μmole of p-nitrophenol (pNP) per minute from p-nitrophenyl-α-L-fucopyranoside in citrate buffer (50 mM)/phosphate buffer (100 mM), pH 5.0.
Storage	2–8 °C
Synonyms	α-L-fucosidase; α-L-fucoside fucohydrolase
Stability	> 1 year under recommended storage conditions
Optimum temperature	95 °C
Buffer	3.2 M ammonium sulphate
Applications	For use in glycobiology research.
Molecular Weight	54351 Da
Concentration	~ 5 U/mL
Specificity	Hydrolysis of α-L-fucose residues from the non-reducing terminal residues in glycoproteins and oligosaccharides.

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