

Alpha-Fucosidase from *Thermotoga maritima*

Product Information

Cat#	DIA-499
Source	<i>Thermotoga maritima</i>
Description	High purity recombinant α -fucosidase (<i>Thermotoga maritima</i>) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
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)
CAS No.	9037-65-4
Optimum temperature	95 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of α -fucosidase activity is defined as the amount of enzyme required to release one μ mole 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
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.