

Arabinanase 43A from *Bacteroides thetaiotaomicron*, Recombinant

Cat. No. NATE-1325

Lot. No. (See product label)

Introduction

Description Arabinan endo-1,5- α -L-arabinanase is an enzyme with system name 5- α -L-arabinan 5- α -L-arabinanohydrolase. This enzyme catalyses the following chemical reaction: Endohydrolysis of (1- \rightarrow 5)- α -arabinofuranosidic linkages in (1- \rightarrow 5)-arabinans. This enzyme is most active on linear 1,5- α -L-arabinan.

Synonyms EC 3.2.1.99; endo-exo-Arabinanase; endo-1,5- α -L-arabinanase; endo- α -1,5-arabanase; endo-arabanase; 1,5- α -L-arabinan 1,5- α -L arabinanohydrolase

Product Information

Species	Bacteroides thetaiotaomicron
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl ₂ , 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.99
CAS No.	75432-96-1
Molecular Weight	39.6 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7
Optimum temperature	37 °C
Specificity	Sugar beet arabinan and 4-nitrophenyl- α -L-arabinofuranoside

Storage and Shipping Information

Storage This enzyme is shipped at room temperature but should be stored at -20 °C.