

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0101
LOT:	2008-0101
Activity:	α -L-Arabinofuranosidase
Synonyms:	α -N-Arabinofuranosidase, arabinofuranosidase, arabinosidase
Nomenclature:	Arabinofuranosidase 51A
Source organism:	<i>Bacillus subtilis subsp. subtilis str. 168</i>
Enzyme Commission No.:	3.2.1.55
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	495 amino acids (view sequence)
Accession No.:	P94552
Molecular weight:	58534.9 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Hydrolysis of terminal non-reducing α -L-arabinofuranoside residues in α -L-arabinosides (acts on α -L-arabinofuranosides, alpha-L-arabinans containing (1,3)- and/or (1,5)-linkages, arabinoxylans and arabinogalactans)
Major application(s):	Biomass conversion , carbohydrate research
Comments:	-
Usage:	-
Assay:	-

NOTE: this product is currently under development. If you wish to prioritise the production of this enzyme, please follow [this link](#)

Primary sequence:

MSEHQAVIQTDIAKGTINKNIYGHFAEHLGRGIYEGIWVGTDS DIPNINGIRKDVLEALKQLHIPVLRWPGGCFA
DEYHWANGVGD RKTMLNTHWGGTIESNEFGTHEFMMLCELLECEPYICGNVGS GTVQEMSEWIEYMTFEEGTPMS
DWRKQNGREEPWKLKYFGVGNENWGC GGNMHP EYYADLYRRFQTYVRNYS GNDIYKIAGGANVDDFNWTDVLMKK
AAGLMDGLSLHYTYIPGDFWKKGKSATEFTEDEWFITMKKAKYIDELIQKHGTIMDRYDPEQRVGLIIDEWGTWF
DPEPGTNP GFLYQQNTIRDALVAASHFHFHQHCRRVQMANIAQTVNVLQAMILTEGERMLLTPTYHVFNMFKVH
QDASLLATETMSADYEWNGETFPQISISASKQAEGDINITICNIDHQNKAEAEIELRGLHKAADHSGVILTAEKM
NAHNTFDDPHHVKPESFRQYTLSKNKLKVKLPPMSVLLTLRADS

Literature:

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