

Recombinant Enzyme Product Specification Sheet

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| Cat. No.: | PRO-E0164 |
| LOT: | 2008-0164 |
| Activity: | α -L-Arabinofuranosidase |
| Synonyms: | Alpha-N-arabinofuranosidase; arabinofuranosidase; arabinosidase |
| Nomenclature: | Arabinofuranosidase, GH51 |
| Source organism: | <i>Streptomyces coelicolor</i> A3(2) |
| Enzyme Commission No.: | 3.2.1.55 |
| Activity: | - |
| Specific activity: | - |
| Purity: | - |
| Form and storage: | - |
| pH optimum: | - |
| Temperature optimum: | - |
| [Protein]: | - |
| Sequence length: | 501 amino acids (view sequence) |
| Accession No.: | Q9L0B5 |
| Molecular weight: | 57194.1 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, α -L-arabinans containing (1,3)- and/or (1,5)-linkages, arabinoxylans and arabinogalactans) |
| Potential 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/protein, please follow [this link](#)

Primary sequence:

MRTARFTLDPAFTVGA VNPRLF GSFVEHLGRCVYTG VFEFGHPTADAEGLRQDVLELVRELGV TAVRYPGGNFVS
GYKWEDSVGPVEDRPRRLDLAWRSTETNRFGLSEYIAFLKKIGPQAEPMMAVNLGTRGVAEAELELQEYANHPST
ALSDLRAEHGDKDPFGIRLWCLGNEMDGPWQTGHKTAEEYGRVAAETARAMRQIDPDVELVACGSSGQSMETFAE
WEATVLKETYDLVDHISLHAYYEPHDGDVDSFLASAVDMESFIENVVATCDHVGARLKS KKKINLSFDEWNVWYM
TKTQAEVSALDWPEAPRLLEDNYSVMDAVVFGSLLIALLRHADRVTVACLAQLVNVIAPI MTEPGGPAWRQTTF
PFSQASKYGRGEVLDVRVDSPTYDTAKYGEADLLHATAVRAEDGSVTVFAVNRSR TGALPLEVALSGLEL TEVVE
HSALADADPDARNTLAE PERVVPHPVDGTSLRDGRLTAALEPLSWNSIRLR

Literature:

1. Bentley *et al.* (2002) *Nature* **417**, 141-147