

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0161
LOT:	2008-0161
Activity:	β -Mannosidase
Synonyms:	Mannanase; mannanase
Nomenclature:	Mannosidase, GH5
Source organism:	<i>Streptomyces coelicolor</i> A3(2)
Enzyme Commission No.:	3.1.1.25
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	525 amino acids (view sequence)
Accession No.:	Q8CK53
Molecular weight:	56179.6 Da (theoretical)
	- (observed by SDS-PAGE)
	- (observed by mass spectrometry)
Biological function:	Hydrolysis of terminal, non-reducing β -D-mannose residues in β -D-mannosides
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:

SPAARSAGVPSAGAQAAGLHIGDGRLLLEGNGNDFVMRGVNHHTWYPGETQSLADVKALGANSVRVVLSDGHRWS
ENGPADVAAVIEQCKANRLICVLEVHDTTGYAEDAAAGTLDHAADYWIGLKDVLAGQEDYVIVNIGNEPWGNTDP
AGWTEPTVAAVKKLRAAGLQHTIMVDAPNWGQDWQGVMRANARSVYDADPTGNLIFSIHMYSVFDTAQEITDYLN
AFVDAELPILIGEFGGPADQYGDPEDEDTMMATAEQLRLGYLAWSWGNTPVLDLALDFDPSRLSGWGERIFHGV
NGIAQTSEEATVYGDGAPDDTEAPTAPGAPSVTAVTDSVTLGWVAATDDTAVSGYDVVLVGDGTSSTVASSTTT
TATVTGLTAATTYTFAVHARDAAGNRSARSATVEVTTDGGGTPGGACSVGYRVVGEWPGGFQGEIAVRNTGSAAI
GPWTLAFAFADGQTVTNMWGGTATQDAGAVSVAPASYTATIPAGGTVTLGFTARKGDTNTAPAAFRLNGAVCATP

Literature:

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