

Recombinant Enzyme Product Specification Sheet

Cat. No.:	PRO-E0127
LOT:	2008-0127
Activity:	β -Mannosidase
Synonyms:	Mannanase, mannanase
Nomenclature:	Mannosidase, GH2
Source organism:	<i>Rhizobium etli</i> CFN 42
Enzyme Commission No.:	3.2.1.25
Activity:	-
Specific activity:	-
Purity:	-
Form and storage:	-
pH optimum:	-
Temperature optimum:	-
[Protein]:	-
Sequence length:	819 amino acids (view sequence)
Accession No.:	Q2K7F2
Molecular weight:	94285.9 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, please follow [this link](#)

Primary sequence:

MTQQPPLSSIDLSGSWQLTSVDGEIRSVITLPGDVHTALYRASLIPEPYFGRNEEKVQWVAEREWAVERSFTLHD
AEGDWYLDVDYLDTVASIVVNGFLALEADNSFRRYRPDVSSMLKSGDNVIRIVFASNPAVGAERQKKQPFYIPYS
TGNSPIPDGNMLRKPQCHFGWDWNIAIAPFGLYGTVALKKLETARIEHVVTRQVHNNDGSVDLTVTASLFSKHAG
VAQIYFEFDGERVRLDVGKGETDVNYLFHIDEPRLWWPSPSGEQALYTLSELSDEVVTRQIGLRTIELITTPD
AAGARFAFRINGREIFCRGANWIPADALYSLSSPEKTEDLLQSAKAANMNMIIRVWGGGFYEQDHFYDLCDRLGLL
VWQDFMFACNLYPSAEDFLDNVAIEVDYQVRRLLSSHPSIALWCGDNELVGALTWFEEERKDRDRYLVSYDRLNRT
IEQAVKKALPGALWWPSSPASGYLDFGDAWHADGAGDMHYWSVWHENKSFNDYRTRVPRFCSEFGFQSYTSLPVI
RTYAEEKDMNIASPMELHQKNAGGNERIAGTMFRYFRFPKDFPNFVYLSQIQQLAIKTAVEYWRSLKPHCMGT
IYWQLNDTWPVASWSSLDYGGRWKAMHYLVKRFFQPVAVAAIPSEDGKTIRFSLVNDTLADVSDLSISVLTMNG
ERKHLKDVQAVCSPDAAVTAATIDVAEIGEGTLLAWQFTASNGMGEGHYVNGTYKALELEPAGLTVTHEYVEAS
GAVDINVTAKGLALFVMIESETDGKYSDNAFDLAAGESRRITFTPAHQLEKGLPDFRFYDLHSCQSAD

Literature:

1. [Gonzalez et al. \(2006\) Proc. Natl. Acad. Sci. USA 103, 3834-3839](#)