

Recombinant Aspergillus niger Probable alpha-galactosidase B

Catalog No: #AP73002

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Package Size: #AP73002-1 20ug #AP73002-2 100ug #AP73002-3 1mg

Description

Product Name	Recombinant Aspergillus niger Probable alpha-galactosidase B
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-443aaSequence Info:Full Length
Other Names	Melibiase B
Accession No.	A2QEJ9
Uniprot	A2QEJ9
GeneID	4979651;
Calculated MW	48.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DGVGRTPALGWNSWNAYSCDIDADKIVTAANEVNLGLKDLGYEYINIDDCWSVKSGRNTTTKRIIPDPDKFPN GISGVADQVHALGLKLGIISSAGLTTTCAGYPASLGYYEIDAQSFAEWGIDYLYKDYDNCGVPTNLTDQYTYCVPD STDGSNYPNGTGVNLTDAAPQGYDWATSTTAKRYQRMRDALLSVNRTILYSLCDWGGQADVNAWGNATGNS WRMSGDITATWSRIAEIANENSFLMNYANFWGYPPDPMLEVGNGNLTPENRAHFALWAMMKAPLIIGTPLDS IDTSHLTILSNKPLLTFHQDAVIGRPAYPYKWGYNPDWTFDPEHPAEYWSGPTSSGEVFLMLNSEGEVKTRS AVWEEVPELKDGRGTTKNSKEKKGFKVTDAWTGKDLGCVKDKYEVKLQAHADVAVLVVGGQC
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Hydrolyzes a variety of simple alpha-D-galactoside as well as more complex molecules such as oligosaccharides and polysaccharides.

References

Genome sequencing and analysis of the versatile cell factory *Aspergillus niger* CBS 513.88. Pel H.J., de Winde J.H., Archer D.B., Dyer P.S., Hofmann G., Schaap P.J., Turner G., de Vries R.P., Albang R., Albermann K., Andersen M.R., Bendtsen J.D., Benen J.A.E., van den Berg M., Breestraat S., Caddick M.X., Contreras R., Cornell M., Coutinho P.M., Danchin E.G.J., Debets A.J.M., Dekker P., van Dijk P.W.M., van Dijk A., Dijkhuizen L., Driessen A.J.M., d'Enfert C., Geysens S., Goosen C., Groot G.S.P., de Groot P.W.J., Guillemette T., Henrissat B., Herweijer M., van den Hombergh J.P.T.W., van den Hondel C.A.M.J.J., van der Heijden R.T.J.M., van der Kaaij R.M., Klis F.M., Kools H.J., Kubicek C.P., van Kuyk P.A., Lauber J., Lu X., van der Maarel M.J.E.C., Meulenber R., Menke H., Mortimer M.A., Nielsen J., Oliver S.G., Olsthoorn M., Pal K., van Peij N.N.M.E., Ram A.F.J., Rinas U., Roubos J.A., Sagt C.M.J., Schmoll M., Sun J., Ussery D., Varga J., Vervecken W., van de Vondervoort P.J.J., Wedler H., Woesten H.A.B., Zeng A.-P., van Ooyen A.J.J., Visser J., Stam H. *Nat. Biotechnol.* 25:221-231(2007) Research Topic: Others

Note: This product is for in vitro research use only