

Datasheet for ABIN1098279

MelA Protein (AA 1-451) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	MelA (MELA)
Protein Characteristics:	AA 1-451
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MelA protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMMSAPKI TFIGAGSTIF VKNILGDVFH REALKTAHIA LMDIDPTRLE ESHIVVRKLM DSAGASGKIT CHTQQKEALE DADFVVVAFQ IGGYEPCTVT DFEVCKRHGL EQTIADTLGP GGIMRALRTI PHLWQICEDM TEVCPDATML NYVNPAMAMNT WAMYARYPHI KQVGLCHSVQ GTAEELARDL NIDPATLRYS CAGINHMAFY LELERKTADG SYVNLYPELL AAYEAGQAPK PNIHGNTRCQ NIVRYEMFKK LGYFVTESSE HFAEYTPWFI KPGREDLIER YKVPLDEYPK RCVEQLANWH KELEEYKKAS RIDIKPSREY ASTIMNAIWT GEPSVIYGNV RNDGLIDNLP QGCCVEVACL VDANGIQPTK VGTLPShLAA LMQTNINVQT LLTEAILTEN RDRVYHAAMM DPHTAAVLGI DEIYALVDDL IAAHGDWLPG WLHR
Purification:	purified by chromatography
Purity:	> 90% by SDS-PAGE

Target Details

Target:	MelA (MELA)
Alternative Name:	melA (MELA Products)
Background:	MelA (alpha-galactosidase) belongs to glycosyl hydrolase 4 family. Alpha-galactosidases catalyse the hydrolysis of saccharides containing o-1, 6, -galactoside linkages. The three alpha-galactosidases catalyse the same reaction, but are localized in different cellular compartments: The E. coli enzyme is cytoplasmic protein and the human enzyme and the yeast enzyme is secretory proteins. Therefore, although the active enzyme from all three species has nearly the same molecular weight, structural similarities, as well as differences, are expected. Recombinant E. coli melA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Molecular Weight:	53 kDa (474aa)
NCBI Accession:	NP_418543

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, 10% glycerol, 1 mM DTT
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

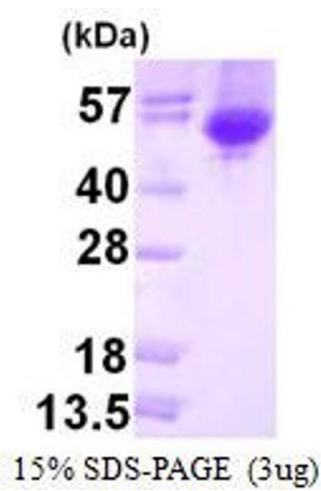


Image 1.