

OriGene Technologies, Inc.

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Product datasheet for AR50359PU-N

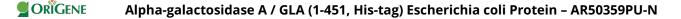
Alpha-galactosidase A / GLA (1-451, His-tag) Escherichia coli Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Alpha-galactosidase A / GLA (1-451, His-tag) recombinant protein, 0.25 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMMSAPKI TFIGAGSTIF VKNILGDVFH REALKTAHIA LMDIDPTRLE ESHIVVRKLM DSAGASGKIT CHTQQKEALE DADFVVVAFQ IGGYEPCTVT DFEVCKRHGL EQTIADTLGP GGIMRALRTI PHLWQICEDM TEVCPDATML NYVNPMAMNT WAMYARYPHI KQVGLCHSVQ GTAEELARDL NIDPATLRYR 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
Tag:	His-tag
Predicted MW:	53 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant E.coil melA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

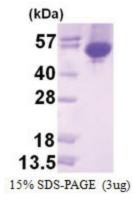


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Summary:melA(alpha-galactosidase) belongs to glycosyl hydrolase 4 family. Alpha-galactosidases
catalyse the hydrolysis of saccharides containing o-1,6,-galactoside linkages. The three alpha-
galactosidases catalyse the same reaction, but are localized 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.

Product images:



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