

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 MGSMMMSAPKI TFIGAGSTIF VKNILGDFVH REALKTAHIA LMDIDPTRLE ESHIVVRKLM DSAGASGKIT CHTQQKEALE DADFVWAFQ IGGYEPCTVT DFEVCKRHGL EQTIADTLGP GGIMRALRTI PHLWQICEDM TEVCPDATML NYVNPAMANT WAMYARYPHI KQVGLCHSVQ GTAEELARDL NIDPATLRYR CAGINHMAFY LELERKTADG SYVNLYPELL AAYEAGQAPK PNIHGNTRCQ NIVRYEMFKK LGYFVTESS HFAEYTPWFI KPGREDLIER YKVPLDEYPK RCVEQLANWH KELEEYKKAS RIDIKPSREY ASTIMNAIWT GEPSVIYGNV RNDGLIDNLP QGCCVEVAQL VDANGIQPTK VGTLP SHLAA LMQTNINVT 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.coli 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:

meIA(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: