

**melA, 1-451aa, E.coli, His tag, E.coli**

**Cat.NO.: TP02945**

3th Edition

**Synonyms:**Alpha-galactosidase, ECK4112, JW4080, mel-7.

**Description:**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**53 kDa (474aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMMSAPKITFIGAGSTIFVKNILGDVVFHREALKTAHIALMDIDPTRLEESHIVVRK  
LMDSAGASGKITC HTQQKEALEDA DFVVAFQIGGYE PCTVTD FEVCKRHGLEQTIADTLGPGGIMRALRTIPHLWQ  
ICEDMTEVCPDATMLN YVNP MAMNTWAMYARYPHIKQVGLCHSVQGTA EELARDLNIDPATLRYRCAGINHMAFY  
LELERKTADGSYVNL YPELLAAYEAGQAPKPN IHGNTRCQ NIVRYEMFKKLG YFVTE SSEHFAEYTPWFIKPGREDL  
IER YKVPLDEY PKRCVEQLANWHKELEEYKKASRIDIKPSREYASTIMNAIWTGEP SVIYG NVRNDGLIDNLPQGCCV  
EVACLVDANGIQPTKVG TLP SHLAALMQTNIN VQTLLTEAILTENRDRVYHAAMMDPHTAAVLGIDEIYALVDDLIAAH  
GDWLPGWLHR

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.