

32-2532: melA Recombinant Protein

Alternative Name : Mel-7, Alpha-galactosidase, b4119, JW4080.

Description

Source : E.coli. melA E. coli Recombinant produced in E. coli is a single polypeptide chain containing 474 amino acids (1-451) and having a molecular mass of 53.0kDa. melA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. melA is a member of the glycosyl hydrolase 4 family. melA catalyze the hydrolysis of saccharides containing o-1,6-galactoside bonds. melA catalyze the same reaction in E.coli, human and yeast but is found in different cellular sections: The E.coli melA is a cytoplasmic protein and the human and yeast melA are secretory proteins. Thus, even though the active enzyme from all three species has almost an equal molecular weight, structural resemblances, as well as dissimilarities, are probable.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The melA solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHH SSGLVPRGSH MGSMM SAPKI TFAGSTIF VKNILGDVFH REALKTAHIA LMDIDPTRLE ESHIVVRKLM DSAGASGKIT CHTQQKEALE DADFVVVAFQ IGGYEPCTVT DFEVCKRHGL EQTIADTLGP GGIMRALRTI PHLWQICEDM TEVCPDATML NYVNPAMNT WAMYARYPHI KQVGLCHSVQ GTAEELARDL NIDPATLRYR CAGINHMAFY LELERKTADG SYVNLPELL AAYEAGQAPK PNIHGNTRCQ NIVRYEMFKK LGYFVTESE HFAEYTPWFI KPGREDLIER YKVPLDEYPK RCVEQLANWH KELEEYKKAS RIDIKPSREY ASTIMNAIWT GEPSVIYGNV RNDGLIDNLP QGCCVEVACL VDANGIQPTK VGTLP SHLAA LMQTNINVQT LLTEAILTEN RDRVYHAAMM DPHTAAVLGI DEIYALVDDL IAAHGDWLPG WLHR.

