

Alpha-Galactosidase E.coli Recombinant

Item Number	rAP-1120
Synonyms	Mel-7, Alpha-galactosidase, b4119, JW4080.
Description	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.
Uniprot Accession Number	P06720
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMM SAPKI TFIGAGSTIF VKNILGDV FH REALKTAHIA LMDIDPTRLE ESHIVVRKLM DSAGASGKIT CHTQQKEALE DADFV VVAFQ IGGYEPCTVT DFEVCKRHGL EQTIAD- TLGP GGIMRALRTI PHLWQICEDM TEVCPDATML NYVNP MAMNT WAMYARYPHI KQVGLCHSVQ GTAEELARDL NIDPATLRYR CAGINHMAFY LELERKTADG SYVNLYPELL AAYEAGQAPK PNIHGN- TRCQ NIVRYEMFKK LGYFV TESSE HFAEYTPWFI KPGREDLIER YKVPLDEY PK RCVEQLANWH KELEEYKKAS RIDIKPSREY ASTIMNAIWT GEPSVIYGNV RNDGLIDNLP QGCCVEVACL VDANGIQPTK VGTLP SHLAA LMQTNINVQT LLTEAILTEN RDRVYHAAMM DPHTAAVLGI DEIYALVDDL IAAHGDWLPG WLHR.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The melA solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**