

Adenine DNA Glycosylase E.Coli Recombinant

Item Number	rAP-1139
Synonyms	ECK2956, JW2928, mica, mutB, mutY.
Description	MutY Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 373 amino acids (1-350) and having a molecular mass of 41.5kDa. MutY is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P17802
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMQASQFS AQVLDWYDKY GRKTLPWQID KTPYK VWLSE VMLQQTQVAT VIPYFERFMA RFPTVTDLAN APLDEV LHLW TGLGYYARAR NLHKAAQQVA TLHGGKFPET FEEVAALPGV GRSTAGAILS LSLGKHFPIL DGNVKRVLAR CYAVSGWPGK KEVEN- KLWSL SEQVTPAVGV ERFNQAMMDL GAMICTRSKP KCSLCPLQNG CIAAANN SWA LYPGKKPKQT LPERTGYFLL LQHEDEVLLA QRPPSGLWGG LYCFPQFADE ESLRQWLAQR QIAADNLTQL TAFRHT- FSHF HLDIVPMWLP VSSFTGCMDE GNALWYNLAQ PPSVGLAAPV ERLQLQLRTG APV.
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 MutY solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 20% 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**