ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

G/U Mismatch-Specific DNA Glycosylase E.Coli Recombinant

Item Number	rAP-1140
Synonyms	xanthine DNA glycosylase, dug, ECK3058, JW3040, ygjF, G/U mismatch-specific DNA glycosylase, Double -strand-specific uracil glycosylase, Mismatch-specific uracil DNA-glycosylase, mug.
Description	MUG Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 191 amino acids (1-168) and having a molecular mass of 21.1kDa. MUG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P0A9H1
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVEDILA PGLRVVFCGI NPGLSSAGTG FPFAHPANRF WKVIYQAGFT DRQLKPQEAQ HLLDYRCGVT KLVDRPTVQA NEVSKQELHA GGRKLIEKIE DYQPQALAIL GKQAYEQGFS QRGAQWGKQT LTIGSTQIWV LPNPSGLSRV SLEKLVEAYR ELDQAL-VVRG R.
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 MUG solution (0.5mg/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