

Uracil DNA Glycosylase E.Coli Recombinant

Item Number	rAP-1141
Synonyms	UDG, b2580, JW2564, EC 3.2.2.27, DGU, UNG15, HIGM5, Uracil-DNA Glycosylase 1, EC 3.2.2, HIGM4, UNG2.
Description	UNG E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (1-229 a.a) and having a molecular mass of 28.1kDa.UNG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P12295
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MGSMANELTW HDVLAEEKQQ PYFLNLTQTV ASERQSGVTI YPPQKDFVNA FRFTELGDKV VVILGQDPYH GPGQAHGLAF SVRPGIAIPP SLLNMYKELE NTIPGFTRPN HGYLES- WARQ GVLLNLTVLT VRAGQAHSHA SLGWETFTDK VISLINQHRE GVVFLLWGS AQQKGAIDK QRHHVLKAPH PSPLSAHRGF FGCNHFVLAN QWLEQRGETP IDWMPVLP AE SE
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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	UNG protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. Greater than 90.0% 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**