

# Human TDG Recombinant Protein



RPPB2308

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## Product Information    Protein Information

**Product SKU:**

RPPB2308

**Accession:**

Q13569

**Host:**

E.coli.

**Protein description:**

TDG Human Recombinant produced in E. coli is a single polypeptide chain containing 433 amino acids (1-410) and having a molecular mass of 48.4 kDa. TDG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Thymine-DNA Glycosylase, G/T Mismatch-Specific Thymine DNA Glycosylase, EC 3.2.2.29.

**Formulation:**

The TDG solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 0.4M Urea and 10% glycerol.

**Purity:**

Greater than 90% as determined by SDS-PAGE.

**Stability:**

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 Sequence:**

MGSSHHHHHH SSGLVPRGSH MGSMEAENAG SYSLQQAQAF YTFPFQQLMA EAPNMAVVNE  
QQMPEEVPAP APAQEPVQEA PKGRKRKPRT TEPKQPVEPK KPVESKKS GK SAKSKEKQEK ITDTFKVKRK  
VDRFNGVSEA ELLTKTLPDI LTFNLDIVII GINPGLMAAY KGHYYPGPGN HFWKCLFMSG LSEVQLNHMD  
DHTLPGKYGI GFTNMVERTT PGSKDLSSKE FREGGRILVQ KLQKYQPRIA VFNGKCIYEI FSKEVFGVKV  
KNLEFGLQPH KIPDTETLCY GMPSSSARCA QFPRAQDKVH YYIKLKD LRD QLKGIERNMD VQEVQYTFDL  
QLAQEDAKKM AVKEEKYDPG YEAAYGGAYG ENPCSSEPCG FSSNGLIESV ELRGESAFSG IPNGQWMTQS  
FTDQIPSFNS HCGTQEQQEE SHA.