

Thymine-DNA Glycosylase Recombinant Protein | TDG recombinant protein

Recombinant Human Thymine-DNA Glycosylase

CATALOG #
AAA38890HOST
E Coli

PRODUCT SYNONYMS

Thymine-DNA Glycosylase; Recombinant Human Thymine-DNA Glycosylase; TDG Human; Thymine-DNA Glycosylase Human Recombinant; G/T Mismatch-Specific Thymine DNA Glycosylase; EC 3.2.2.29; TDG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution; The TDG solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 0.4M Urea and 10% glycerol.
Concentration	0.5 mg/mL (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMGS MEAENAGSYS LQQAQAFYTF PFQQLMAEAP NMAVVNEQQM PEEVPAPAPA QEPVQEAPKG RKRKPRTTTP KQPVEPKKPV ESKKSGKSAK SKEKQEKITD TFKVVRKVDR FNGVSEAELL TKTLPDILTF NLDIVIIGIN PGLMAAYKGGH HYPGPGNHFW KCLFMSGLSE VQLNHMDDHT LPGKYGIGFT NMVERTTPGS KDLSSKEFRE GGRILVQKLQ KYQPRIAVFN GKCIYEIFSK EVFGVKVKNL EFGLQPHKIP DTETLCYGMP SSSARCAQFP RAQDKVHYYI KLKDLRDQLK GIERNMDVQE VQYTFDLQLA QEDAKKMAVK EEKYDPGYEA AYGGAYGENP CSSEPCGFSS NGLIESVELR GESAFSGIPN GQWMTQSFTD QIPFSFNHCG TQEQUEESHA
Sequence Length	410
Preparation and Storage	Store, frozen at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TDG recombinant 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.
Product Categories/Family for TDG recombinant protein	Enzymes; Glycosylase

NCBI AND UNIPROT INFORMATION

NCBI GI #	59853162
NCBI GeneID	6996
NCBI Accession #	NP_003202.3
NCBI GenBank Nucleotide #	NM_003211.4
UniProt Accession #	Q13569; Q8IUZ6; Q8IZM3
NCBI Official Full Name	G/T mismatch-specific thymine DNA glycosylase
NCBI Official Synonym Full Names	thymine-DNA glycosylase

NCBI Official Symbol	TDG
NCBI Official Synonym Symbols	hTDG
NCBI Protein Information	G/T mismatch-specific thymine DNA glycosylase
UniProt Protein Name	G/T mismatch-specific thymine DNA glycosylase
UniProt Gene Name	TDG
UniProt Synonym Gene Names	hTDG
UniProt Entry Name	TDG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tdg-recombinant-protein-e-coli/38890>