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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

TDG (Human) Recombinant Protein (P01)

Catalog Number: H00006996-P01

Regulation Status: For research use only (RUO)

Product Description: Human TDG full-length ORF (AAH37557.1, 1 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEAENAGSYSLQQAQAFYTFPFQQLMAEAPNMAVVN
EQQMPEEVPAPAPAEVQVEAPKGRKRKRPTTEPKQ
PVEPKKPVESKKSAGSKEKQEKITDTFKVVRKVD
RFNGVSEAEELLTKLTPDILTFNLDIVIGINPGLMAAYKG
HHYPGPGNHFWKCLFMSGLSEVQLNHMDDHTLPGKY
GIGFTNMVERTTPGSKDLSSKEFREGGRILVQKLQKY
QPRIAVFNGKCIYEIFSKEVFGVKVKNLEFGLQPHKIPD
TETLCYGMPS SARCAQFPRAQDKVHYIYIKLKDLDQ
LKGIERNMDVQEVQYTFDLQLAQEDAKKMAVKEEKYD
PGYEAAAYGGAYGENPCSSEPCGFSSNGLIESVELRGE
SAFSGIPNGQWMTQSFTDQIPFSNHCCTQEQQEES
HA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 72.4

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6996

Gene Symbol: TDG

Gene Alias: -

Gene Summary: The protein encoded by this gene belongs to the TDG/mug DNA glycosylase family. Thymine-DNA glycosylase (TDG) removes thymine moieties from G/T mismatches by hydrolyzing the carbon-nitrogen bond between the sugar-phosphate backbone of DNA and the mispaired thymine. With lower activity, this enzyme also removes thymine from C/T and T/T mispairings. TDG can also remove uracil and 5-bromouracil from mispairings with guanine. This enzyme plays a central role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine. This gene may have a pseudogene in the p arm of chromosome 12. [provided by RefSeq]