

Datasheet for ABIN934951  
**TPMT Protein (AA 1-245)**



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1 Image

## Overview

Quantity:	100 µg
Target:	TPMT
Protein Characteristics:	AA 1-245
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MDGTRTSLDI EEYSDTEVQK NQVLTLEEWQ DKWVNGKTAF HQEQGHQLLK KHLDTFLK GK SGLRVFFPLC GKAVEMKWFA DRGHSVVGVE ISELGIQEFF TEQNLSYSEE PITEIPGTKV FKSSSGNISL YCCSIFDLPR TNIGKFDMIW DRGALVAINP GDRKCYADTM FLLGKKFQY LLCVLSYDPT KHPGPPFYVP HAEIERLFGK ICNIRRLEKV DAFEERHKSW GIDCLFEKLY LLTEK
Characteristics:	Purified recombinant Human TPMT protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

## Target Details

Target:	TPMT
Alternative Name:	TPMT ( <a href="#">TPMT Products</a> )

## Target Details

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**Background:** TPMT, thiopurine S-methyltransferase, is a cytosolic enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine and azathioprine are used as chemotherapeutic agents. TPMT activity exhibits autosomal codominant genetic polymorphism, and patients inheriting TPMT-deficiency are at high risk of potentially fatal hematopoietic toxicity. Recombinant human TPMT was expressed in E. coli and purified by using conventional chromatography techniques.

Alternative Names: Thiopurine methyltransferase protein, Thiopurine S methyltransferase., Thiopurine S-methyltransferase HGNC:12014 protein, Thiopurine S-methyltransferase protein, TPMT protein, S adenosyl L methionine thiopurine S methyltransferase protein

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**Molecular Weight:** 28 kDa (245 AA)

## Application Details

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**Application Notes:** TPMT protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1 mg/mL

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**Buffer:** Supplied as a liquid in 20 mM Tris, pH 8.0, containing 0.0 mM PMSF, and 0 mM EDTA.

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**Handling Advice:** Avoid repeated freeze/thaw cycles.

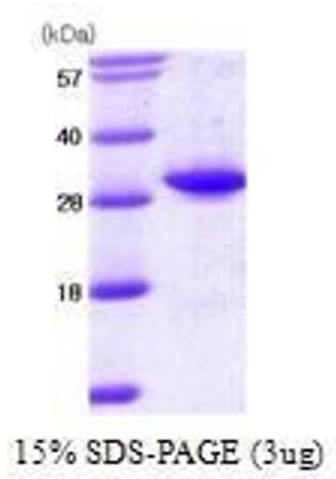
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**Storage:** RT/-20 °C

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**Storage Comment:** Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

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### SDS-PAGE

**Image 1.** Figure annotation denotes ug of protein loaded and % gel used.