

TPMT 抗原（重组蛋白）

中文名称：TPMT 抗原（重组蛋白）

英文名称：TPMT Antigen (Recombinant Protein)

别名：thiopurine S-methyltransferase; TPMTD

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 1-245 amino acids of human TPMT

技术规格：

Full name:	thiopurine S-methyltransferase
Synonyms:	TPMTD
Swissprot:	P51580
Gene Accession:	BC005339
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes the 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 are used as chemotherapeutic agents. Genetic polymorphisms that affect this enzymatic activity are correlated with variations in sensitivity and

toxicity to such drugs within individuals, causing thiopurine S-methyltransferase deficiency. Related pseudogenes have been identified on chromosomes 3, 18 and X.