

TPMT Human

Description:TPMT Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 245 amino acids (1-245) and having a molecular mass of 28 kDa. Thiopurine S-methyltransferase is purified by proprietary chromatographic techniques.

Catalog #:PKPS-262

For research use only.

Synonyms:TPMT, Thiopurine S-methyltransferase, EC 2.1.1.67, Thiopurine methyltransferase.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MDGTRTSLDI EEYSDTEVQK NQVLTLEEWQ DKWVNGKTAF
HQEQGHQLLK KHLDTFLKKGKSLRVFFPLC GKAVEMKWFA DRGHSVVGVE ISELGIQEFF
TEQNLSYSEE PITEIPGTVKFKSSSGNISL YCCSIFDLPR TNIGKFDMIW DRGALVAINP
GDRKCYADTM FSLGKKFYQY LLCVLSYDPT KHPGPPFYVP HAEIERLFGK ICNIRRLEKV
DAFEERHKSW GIDC

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

1 mg/ml solution containing 20mM Tris 8.0, 0.2mM PMSF and 2mM EDTA.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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. TPMT activity exhibits autosomal codominant genetic polymorphism, and patients inheriting TPMT-deficiency are at high risk of potentially fatal hematopoietic toxicity.

To place an order, please [Click HERE](#).