

32-3128: TPMT Recombinant Protein

Alternative Name : TPMT,Thiopurine S-methyltransferase,EC 2.1.1.67,Thiopurine methyltransferase.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	1 mg/ml solution containing 20mM Tris 8.0, 0.2mM PMSF and 2mM EDTA.
Storage condition :	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.
Amino Acid :	MDGTRTSLDI EEYSDTEVQK NQVLTLEEWQ DKWVNGKTAF HQEQQGHQLLK KHLDTFLKGGKSLRVFFPLC GKAVEMKWFA DRGHSVVGVE ISELGIQEFF TEQNLSYSEE PITEIPGTKVFKSSSGNISL YCCSIFDLPR TNIGKFDMIW DRGALVAINP GDRKCYADTM FSLLGKKFQY LLCVLSYDPT KHPGPPFYVP HAEIERLFGK ICNIRRLEKV DAFEERHKSW GIDCLFEKLYLLTEK.

