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TPMT, 1-245aa, Human, Recombinant, E.coli

产品货号: TP04288

第三版

别名: Thiopurine S-methyltransferase, TPMT, Thiopurine S-methyltransferase HGNC:12014, S adenosyl L methionine thiopurine S methyltransferase, Thiopurine methyltransferase, Thiopurine S methyltransferase.

描述: 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.

配方: In 20mM Tris 8.0, 0.2mM PMSF, 2mM EDTA

分子量: 28 kDa (245 aa), confirmed by MALDI-TOF.

序列:

MDGTRTSLDIEEYSDTEVQKNQVLTLEEWQDKWVNGKTAHFHQEQGHQLLKKHLDTFLKGKSGLRVFFPLCGKAVEMK
WFADRGHSVVGVEISELGIQEFFTEQNLSYSEEPITEIPGTKVFKSSSGNISLYCCSIFDLPRNTNIGKFDMIWDRGALVAINPG
DRKCYADTMFSLGKKFQYLLCVLSYDPTKHPGPPFYVPHAEIERLFGKICNIRRLEKVDAFEERHKSWGIDCLFEKLYLLTE
K

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.