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Data Sheet

MTAP

human, recombinant, N-terminal GST tag
Catalog # 50305
Lot#: 80902 Conc.: 2.5 mg/ml

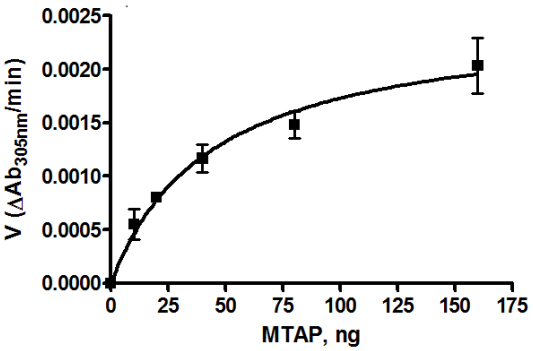
Formulated in: 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 18 mM glutathione, 10% glycerol, and 3 mM DTT.

Stability: >6 months at –80°C

References:
1. Fernandez-Irigoyen, J. *et al., Biochem. J.* **411 (2),** 457-465 (2008)
2. Hellerbrand, C. *et al., Carcinogenesis* **27 (1),** 64-72 (2006)
3. Ong, S-E., *et al. PNAS* **106(12)**: 4617-4622 (2009)

Description: Human MTAP (GenBank Accession No. NM_002451), amino acids 2-end, with N-terminal GST tag, MW=57 kDa, expressed in an *E. coli* expression system.
Assay Conditions: MTAP activity was measured using a xanthine oxidase-coupled method. MTA cleavage by MTAP produce adenine, which is then converted to 2,8-dihydroxyadenine by xanthine oxidase, leading to an increase in absorbance at 305 nm. 50 uL reaction mixtures contained MTAP, 50 mM KPO_4, pH 7.4, 200 uM MTA, 0.02 units Xanthine Oxidase, and 1 mM DTT. Activity was measured at 37°C by continuous monitoring the absorbance at 305 nm for 30 min.
Application: Suitable for protein binding studies, Western blotting, or as an immunogen.

Quality Assurance



10% SDS-PAGE
Coomassie staining

Lane 1:
4 µg MTAP
Lane 2:
Protein Marker

MW: 57 kDa
Purity: ≥80%