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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

MAT2A, His-Tag

Human, Recombinant, N-terminal His-Tag

Catalog #: 71401**Lot #:** 171222-1**Conc.:** 3.2 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween, 20% glycerol, additional 250mM imidazole

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Protein may be diluted to $\geq 100 \mu\text{g/ml}$ in PBS + glycerol and stored at -80°C .

References:

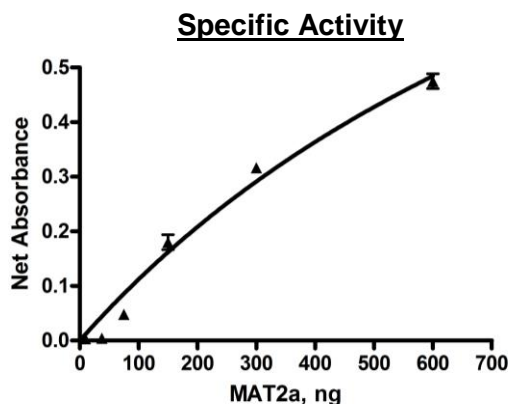
1. Latasa, M., et al. *The FASEB Journal*. 2001; **15(7)**: 1248-1250.
2. Liu, Q., et al., *Molecular Cancer Therapeutics*. 2011; **10(6)**:1113-23.

Description: Human MAT2A, also known as methionine adenosyltransferase II alpha, MAT2, and adoMet synthase 2. GenBank Accession No. NM_005911, a.a. 2-395 (end) with an N-terminal His-tag, expressed in an E. coli cell expression system. MW = 45 kDa.

Assay Description: MAT2A #71401 was tested according to the MAT2A Inhibitor Screening Assay Kit catalog #71402 with enzyme tested from 0.9375 ng/ μl -120 ng/ μl . The reactions were conducted at room temperature for 45 minutes in a 25 μl mixture containing 50 mM Tris-HCl, pH 8.0, 10 mM MgCl_2 , 50 mM KCl, 0.1 mg/ml BSA, various amount of MAT2a enzyme, 200 μM L-Methionine, and 200 μM ATP. After the enzymatic reactions, 50 μl of colorimetric detection reagent was added to each well and the reactions were incubated for another 15 min before the absorbance at 630 nm of each well was measured using a Tecan Infinite M1000 microplate reader.

Application: Useful for studying protein binding and screening small molecules.

Quality Assurance

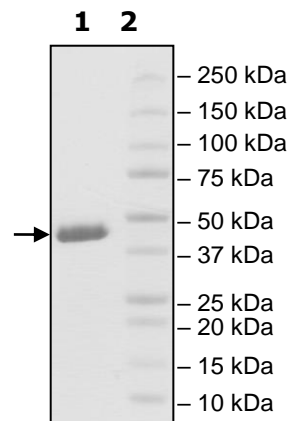


4-20% SDS-PAGE Coomassie staining

Lane 1:
MAT2A
Lane 2:
Protein Marker

MW: 45 kDa

Purity : $\geq 90\%$



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