

Product datasheet for **LY416629**

MTHFS (NM_006441) Human Over-expression Lysate

Product data:

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| Product Type: | Over-expression Lysates |
| Description: | Transient overexpression lysate of 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) (MTHFS) |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | TrueORF Clone RC205749 |
| Tag: | C-Myc/DDK |
| Detection Antibodies: | Clone OT14C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100) |
| ACCN: | <u>NM_006441</u> , <u>NP_006432</u> |
| Synonyms: | HsT19268; NEDMEHM |
| Predicted MW: | 23.3 kDa |
| Components: | 1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT) |
| Storage: | The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after dilution, the protein sample should be aliquoted and stored at -80°C for long term storage. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. Lysate samples are stable for 12 months from the date of receipt when stored at -80°C. |



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| Preparation: | HEK293T cells in 10-cm dishes were transiently transfected with <u>MegaTran</u> Transfection Reagent (TT200002) and 5ug <u>TrueORF</u> cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). |
| RefSeq: | <u>NP_006432</u> |
| Locus ID: | 10588 |
| Cytogenetics: | 15q25.1 |
| Protein Families: | WB |
| Protein Pathways: | Metabolic pathways, One carbon pool by folate |

Product images:

Western validation with an anti-DDK antibody
* L: Control HEK293 lysate R: Over-expression lysate