

# Human MTAP Knockdown Cell Lysate

Cat. No. MTAP-248HKCL Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | WB-validated MTAP Knockdown HeLa Cell Lysate  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HeLa  |
| <b>Description</b>      | This gene encodes an enzyme that plays a major role in polyamine metabolism and is important for the salvage pathway of both adenine and methionine. The encoded enzyme is deficient in many cancers. Multiple alternatively spliced transcript variants have been described for this gene. |
| <b>Form</b>             | Cell-Tissue Lysis buffer  |
| <b>Molecular Mass</b>   | 31 kDa  |
| <b>Notes</b>            | Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.            |
| <b>Storage</b>          | Store at -20 centigrade for two years.  |
| <b>Concentration</b>    | Lot-specific  |
| <b>Shipping</b>         | Blue Ice  |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |  |
|-------------------------|--|
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MTAP KD HeLa cell lysate |
| <b>Protein Families</b> | Druggable Genome   |
| <b>Protein Pathways</b> | Cysteine and methionine metabolism, Metabolic pathways                         |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | MTAP methylthioadenosine phosphorylase [ Homo sapiens (human) ]   |
| <b>Official Symbol</b> | MTAP  |
| <b>Synonyms</b>        | MTAP; methylthioadenosine phosphorylase; S-methyl-5-thioadenosine phosphorylase; c86fus; MSAP; MTAPase; MTA phosphorylase; MeSAdo phosphorylase; 5-methylthioadenosine phosphorylase; |
| <b>Gene ID</b>         | 4507  |
| <b>mRNA Refseq</b>     | NM_002451   |
| <b>Protein Refseq</b>  | NP_002442   |
| <b>MIM</b>             | 156540  |
| <b>UniProt ID</b>      | Q13126  |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA