

## Product datasheet for **LY413431**

### MOCOS (NM\_017947) Human Over-expression Lysate

#### Product data:

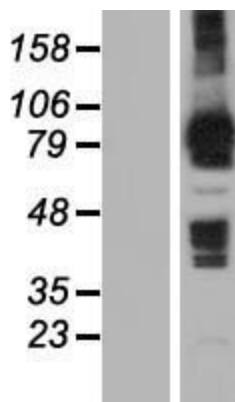
|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Over-expression Lysates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Description:                          | Transient overexpression lysate of molybdenum cofactor sulfurase (MOCOS)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Expression cDNA Clone or AA Sequence: | TrueORF Clone RC204120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Detection Antibodies:                 | Clone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ACCN:                                 | <a href="#">NM_017947</a> , <a href="#">NP_060417</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Synonyms:                             | HMCS; MCS; MOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Predicted MW:                         | 98.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Components:                           | 1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>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.                                                                                                                                                  |
| Preparation:                          | HEK293T cells in 10-cm dishes were transiently transfected with <a href="#">MegaTran</a> Transfection Reagent (TT200002) and 5ug <a href="#">TrueORF</a> 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:                               | <a href="#">NP_060417</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Locus ID:                             | 55034                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:                         | 18q12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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Protein Families: WB

### Product images:



Western blot validation of overexpression lysate (Cat# LY413431) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC204120] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).