

## Product datasheet for **TP314804L**

### MOCS2 (NM\_176806) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human molybdenum cofactor synthesis 2 (MOCS2), transcript variant 1, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC214804 representing NM_176806<br>Red=Cloning site Green=Tags(s)                               |

MVPLCQVEVLYFAKSAEITGVRSETISVPQEIKALQLWKEIETRHPLADVRNQRQIFAVRQEYVELGDQL  
LVLQPGDEIAVIPPISSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 9.6 kDa  |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_789776</a>  |
| Locus ID:      | 4338   |
| UniProt ID:    | <a href="#">O96033</a>   |
| RefSeq Size:   | 1347   |



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Cytogenetics: 5q11.2

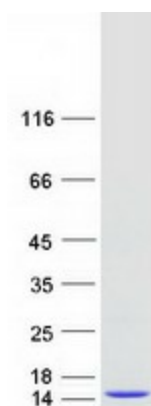
RefSeq ORF: 264

Synonyms: MCBPE; MOCO1; MOCODB; MPTS

**Summary:** Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified MOCS2 protein (Cat# [TP314804]). The protein was produced from HEK293T cells transfected with MOCS2 cDNA clone (Cat# [RC214804]) using MegaTran 2.0 (Cat# [TT210002]).