

## Product datasheet for **TP302099M**

### **MOCS3 (NM\_014484) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human molybdenum cofactor synthesis 3 (MOCS3), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC202099 representing NM\_014484  
**Red**=Cloning site **Green**=Tags(s)

MASREEVLALQAEVAQREEELNSLKQKLASALLAEQEPQPERLVPVSPLPPKAALSRDEILRYSRQLVLP  
ELGVHGGQLRLGTACVLIVGCGGLGCPLAQYLAAGVGRLGLVDYDVVEMSNLARQVLHGEALAGQAKAF  
S

AAASLRRLNSAVECVPYTQALTPATALDLVRRYDVVADCSNVPTRYLVNDACVLAGRPLVSASALRFEG  
QITVYHYDGGPCYRCIFPQPPPAETVTNCADGGVLGVVTGVLGCLQALEVLKIAAGLGPSYSGSLLLFD  
LRGHFRSIRLSRRLDCAACGERPTVTDLLDYEAFCGSSATDKCRSLQLLSPEERSVTDYKRLLDSGAF  
HLLLDVRPQVEVDICRLPHALHIPLKHLERRDAESLKLLKEAIWEEKQGTQEGAAPVIYVICKLGND SQK  
AVKILQSLSAAQELDPLTVRDVVGGLMAWAAKIDGTFPQY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 49.5 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.



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RefSeq: [NP\\_055299](#)

Locus ID: 27304

UniProt ID: [O95396](#)

RefSeq Size: 2458

Cytogenetics: 20q13.13

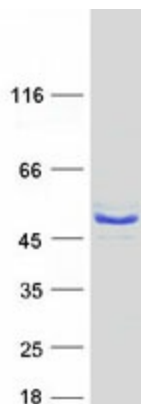
RefSeq ORF: 1380

Synonyms: UBA4

**Summary:** Molybdenum cofactor (MoCo) is necessary for the function of all molybdoenzymes. The protein encoded by this gene adenylates and activates molybdopterin synthase, an enzyme required for biosynthesis of MoCo. This gene contains no introns. A pseudogene of this gene is present on chromosome 14. [provided by RefSeq, Nov 2012]

Protein Families: Druggable Genome

### Product images:



Coomassie blue staining of purified MOCS3 protein (Cat# [TP302099]). The protein was produced from HEK293T cells transfected with MOCS3 cDNA clone (Cat# [RC202099]) using MegaTran 2.0 (Cat# [TT210002]).