



# Recombinant Human Adenylyltransferase and sulfurtransferase MOCS3 (MOCS3)

<b>Product Code</b>	CSB-BP014707HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95396
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MASREEVLAL QAEVAQREEE LNSLKQKLAS ALLAEQEPQP ERLVPVSPLP PKAALSRDEI LRYSRQLVLP ELGVHGQLRL GTACVLIVGC GGLGCPLAQY LAAAGVGR LG LVDYDVVEMS NLARQVLHGE ALAGQAKAFS AAASLRR LNS AVECVPYTQA LTPATALDLV RRYDVVADCS DNVPTRYLVN DACVLAGRPL VSASALRFEG QITVYHYDGG PCYRCIFPQP PPAETVTNCA DGGVLGVVTG VLGCLQALEV LKIAAGLGPS YSGSLLLFDA LRGHFRSIRL RSRRLDCAAC GERPTVTDLL DYEAFCGSSA TDKCRSLQLL SPEERVSVD YKRLLD SGAF HLLLDVRPQV EVDICRLPHA LHIPLKHLER RDAESLKLK EAIWEEKQGT QEGAAPVIYV ICKLGNSQK AVKILQSLSA AQELDPLTVR DVVGGLMAWA AKIDGTFPQY
<b>Source</b>	Baculovirus
<b>Target Names</b>	MOCS3
<b>Protein Names</b>	Recommended name: Adenylyltransferase and sulfurtransferase MOCS3 Alternative name(s): Molybdenum cofactor synthesis protein 3 Molybdopterin synthase sulfurylase Short name= MPT synthase sulfurylase Including the following 2 domains
<b>Expression Region</b>	1-460
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	Molybdenum cofactor (MoCo) is necessary for the function of all molybdoenzymes. One of the enzymes required for the biosynthesis of MoCo is molybdopterin synthase (MPT synthase). This protein adenylates and activates MPT synthase. This gene contains no introns. A pseudogene of this gene is present on chromosome 14.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.