Recombinant Human Molybdopterin synthase catalytic subunit (MOCS2)

Product Code	CSB-BP014706HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O96007
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSSLEISSSC FSLETKLPLS PPLVEDSAFE PSRKDMDEVE EKSKDVINFT AEKLSVDEVS QLVISPLCGA ISLFVGTTRN NFEGKKVISL EYEAYLPMAE NEVRKICSDI RQKWPVKHIA VFHRLGLVPV SEASIIIAVS SAHRAASLEA VSYAIDTLKA KVPIWKKEIY EESSTWKGNK ECFWASNS
Source	Baculovirus
Target Names	MOCS2
Protein Names	Recommended name: Molybdopterin synthase catalytic subunit EC= 2.8.1.12 Alternative name(s): MOCO1-B Molybdenum cofactor synthesis protein 2 large subunit Molybdenum cofactor synthesis protein 2B Short name= MOCS2B Molybd
Expression Region	1-188
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.