

Recombinant Mouse Mocs2 Protein, His-tagged

Cat. No. Mocs2-1789M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mocs2 Protein (Met1-Asp189) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asp189
Description	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. Based on experiments with the human molybdopterin synthase ortholog, 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.7 kDa Accurate Molecular Mass: 25 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Mocs2 molybdenum cofactor synthesis 2 [Mus musculus (house mouse)]
Official Symbol	Mocs2
Synonyms	MOCS2; molybdenum cofactor synthesis 2; molybdopterin synthase sulfur carrier subunit; MOCS2A; MOCS2B; sulfur carrier protein MOCS2A; molybdenum cofactor synthesis protein 2A; molybdenum cofactor synthesis protein 2B; molybdenum cofactor synthesis protein 2 large subunit; molybdenum cofactor synthesis protein 2 small subunit; AI415403;
Gene ID	17434
mRNA Refseq	NM_001113374
Protein Refseq	NP_001106845

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UniProt ID

Q9Z223

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