9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MOCS2 Human

Molybdenum Cofactor Synthesis 2 Human Recombinant
RCP1381

Product Overview

Name	MOCS2 Human
Description	
Molybdenum Cofactor Synthesis 2 Human Recombinant	
Accession (Primary)	O96033
Synonyms	
Molybdenum Cofactor Synthesis 2, Molybdopterin Synthase Sulfur Carrier Subunit, Molybdenum Cofactor Biosynthesis Protein E, MPT Synthase Large Subunit, Molybdopterin Synthase Catalytic Subunit, Molybdenum Cofactor Synthesis Protein 2 Large Subunit, Molybdenum Cofactor Synthesis Protein 2 Small Subunit, Molybdenum Cofactor Synthesis Protein 2A, Molybd enum Cofactor Synthesis Protein 2B, Sulfur Carrier Protein MOCS2A, MCBPE, MOCO1, MOCO1-A, MOCO1-B, MOCS2A, MOCS2B, MPTS, EC 2.8.1.12.	
Introduction	
Molybdenum Cofactor Synthesis 2 (MOCS2) is a heterotetrameric synthase comprised of 2 small (MOCS2A) and 2 large (MOCS2B) subunits. Both the large and small subunits of molybdopterin synthase are encoded from the MOCS2 gene by overlapping open reading frames. MOCS2 operates in the second step of the molybdenum cofactor or molybdopterin (MPT) synthesis. MOCS2 catalyzes the formation of MPT from precursor Z by incorporating a dithiolene functional group.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MOCS2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 50% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	

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MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS MSSL EISSSCFSLE TKLPLSPPLV EDSAFEPSRK DMDEVEEKSK DVINFTAEKL SVDEVSQLVI SPLCGAISLF VGTTRNNFEG KKVISLEYEA YLPMAENEVR KICSDIRQKW PVKHIAVFHR LGLVPVSEAS IIIAVSSAHR AASLEAVSYA IDTLKAKVPI WKKEIYEESS TWKGNKECFW ASNS

Precautions

MOCS2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O96033)