molybdopterin synthase sulfurtransferase

Cat. No. EXWM-3356

Lot. No. (See product label)

Introduction

Description	The enzyme transfers sulfur to form a thiocarboxylate moiety on the C-terminal glycine of the small subunit of EC 2.8.1.12, molybdopterin synthase. In the human, the reaction is catalysed by the rhodanese-like C-terminal domain (cf. EC 2.8.1.1) of the MOCS3 protein, a bifunctional protein that also contains EC 2.7.7.80, molybdopterin-synthase adenylyltransferase, at the N-terminal domain.
Synonyms	adenylyltransferase and sulfurtransferase MOCS3; Cnx5 (gene name); molybdopterin synthase sulfurylase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.8.1.11
Reaction	[molybdopterin-synthase sulfur-carrier protein]-Gly-Gly-AMP + [cysteine desulfurase]-S-sulfanyl-L-cysteine + reduced acceptor = AMP + [molybdopterin-synthase sulfur-carrier protein]-Gly-NH-CH2-C(O)SH + [cysteine desulfurase] + oxidized acceptor
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.