

MOCS2, 1-188aa, Human, His tag, E.coli

Cat.NO.: TP03006

3th Edition

Synonyms: molybdenum cofactor synthesis 2 , MCBPE, MOCO1, MOCS2A, MOCS2B, MPTS.

Description: MOCS2 is a heterotetrameric synthase composed of two small (MOCS2A) and two large (MOCS2B) subunits. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. MOCS2 functions in the second step of the synthesis of molybdenum cofactor or molybdopterin (MPT). It catalyzes the formation of MPT from precursor Z by incorporating a dithiolene functional group.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT

Molecular Weight: 25 kDa (224aa) confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSLEISSSCFSLETKLPLSPPLVEDSAFEPSPRKDMD
EVEEKSKDVINFATAEKLSVDEVSQVLVISPLCGAISLFGTTRNNFEGKKVISLEYEAYLPAENVRKICSDIRQKWPV
KHIAVFHRLGLVPVSEASIIIVSSAHRAASLEAVSYAIDTLKAKVPIWKKEIYEESSTWKGNKECFWASNS

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.