

AR50536PU-N

Human MOCS2 (1-188, His-tag) - Purified

Alternate names:	MCBPE, MOCO1, MOCS2A, MOCS2B, MPTS, molybdenum cofactor synthesis 2
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	O96007
NCBI:	NP_004522
GeneID:	4338
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT
Description:	Recombinant human MOCS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSL EISSSCFSLE TKLPLSPPLV EDSAFEP SRK DMDEVEE KSK DVINF TAEKL SVDEV SQLVI SPLCGAISLF VGTRNNFEG KKVISLEYEA YLPMAENEVR KICSDIRQKW PVKHIAVFHR LGLVPVSEAS IIIAVSSAHR AASLEAVSYA IDTLKAKVPI WKKEIYEES TWKGNKECFW ASNS Molecular weight: 25 kDa (224aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Leimkuhler S., et al. (2005) Hum Genet. 117: 565-570 Reiss J., et al. (1999) Hum Genet. 64: 706-711.

Pictures:

