

MOCS2 recombinant protein

MOCS2, 1-188aa, Human, His tag, E Coli

CATALOG # AAA48766	HOST E Coli	APPLICATIONS SDS-Page
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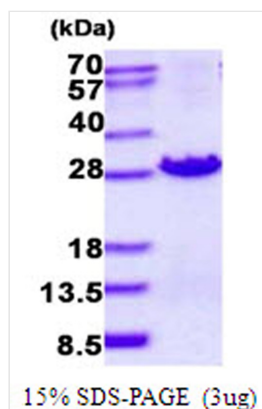
PRODUCT SYNONYMS

MOCS2; 1-188aa; Human; His tag; E Coli; molybdenum cofactor synthesis 2; MCBPE; MOCO1; MOCS2A; MOCS2B; MPTS; MOCS2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSL EISSSCFSLE TKLPLSPPLV EDSAFEPSRK DMDEVEEEKSK DVINFTEAKL SVDEVSQLVI SPLCGAISLF VGTTRNNFEG KKVISLEYEA YLPMAENEVR KICSDIRQKW PVKHIAVFHR LGLVPVSEAS IIIAVSSAHR AASLEAVSYA IDTLKAKVPI WKKEIYEES TWKGNKECFW ASNS
Sequence Length	188
Applicable Applications for MOCS2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MOCS2 recombinant protein	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. Recombinant human MOCS2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for MOCS2 recombinant protein	Metabolism
References	Leimkuhler S., et al. (2005) Hum Genet. 117: 565-570; Reiss J., et al. (1999) Hum Genet. 64: 706-711.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758732
NCBI GeneID	4338
NCBI Accession #	NP_004522
NCBI GenBank Nucleotide #	NM_004531.4
UniProt Accession #	O96007; Q6IAI3; O96033
Molecular Weight	25 kDa (224aa) confirmed by MALDI-TOF
NCBI Official Full Name	molybdopterin synthase catalytic subunit large subunit MOCS2B
NCBI Official Synonym Full Names	molybdenum cofactor synthesis 2
NCBI Official Symbol	MOCS2
NCBI Official Synonym Symbols	MPTS; MCBPE; MOCO1; MOCODB
NCBI Protein Information	molybdopterin synthase catalytic subunit; molybdopterin synthase sulfur carrier subunit
UniProt Protein Name	Molybdopterin synthase catalytic subunit
UniProt Gene Name	MOCS2
UniProt Synonym Gene Names	MPT synthase large subunit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.