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Product datasheet for PH308485

MOCS2 (NM_004531) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MOCS2 MS Standard C13 and N15-labeled recombinant protein (NP_004522)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208485
Predicted MW:	20.9 kDa
Protein Sequence:	>RC208485 protein sequence Red=Cloning site Green=Tags(s) MSSLEISSSCFSLETKLPLSPPLVEDSAFEPSRKDMDEVEEKSKDVINFTAEKLSVDEVSQLVISPLCGA ISLFVGTTRNNFEGKKVISLEYEAYLPMAENEVRKICSDIRQKWPVKHIAVFHRLGLVPVSEASIIIAVS SAHRAASLEAVSYAIDTLKAKVPIWKKEIYEESSTWKGNKECFWASNS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004522
RefSeq Size:	4200
RefSeq ORF:	564
Synonyms:	MCBPE; MOCO1; MOCODB; MPTS
Locus ID:	4338
UniProt ID:	O96007, A0A024QZS1

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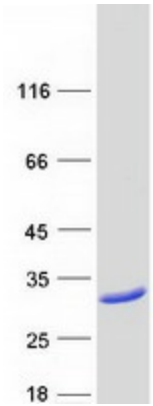
Cytogenetics: 5q11.2

Summary: Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified MOCS2 protein (Cat# [TP308485]). The protein was produced from HEK293T cells transfected with MOCS2 cDNA clone (Cat# [RC208485]) using MegaTran 2.0 (Cat# [TT210002]).