

Product datasheet for PH306067

Cysteine Dioxygenase Type 1 (CDO1) (NM_001801) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDO1 MS Standard C13 and N15-labeled recombinant protein (NP_001792)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206067
Predicted MW:	23 kDa
Protein Sequence:	>RC206067 protein sequence Red=Cloning site Green=Tags(s) MEQTEVLKPRTLADLIRILHQLFAGDEVNVEEVQAIMEAYESDPTEWAMYAKFDQYRYTRNLVDQNGKF NLMILCWGEGHGSSIHDHTNSHCFLKMLQGNLKETLFAWPKKSNEVMKKSERVLRENQCAIINDSVGLH RVENISHTEPAVSLHLYSPPFDTCHAFDQRTGHKNKVTMTFHSKFGIRTPNATSGSLENN 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_001792
RefSeq Size:	1627
RefSeq ORF:	600
Synonyms:	CDO-I
Locus ID:	1036
UniProt ID:	Q16878



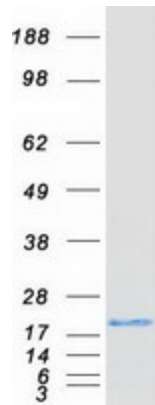
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Cytogenetics: 5q22.3

Summary: Initiates several important metabolic pathways related to pyruvate and several sulfate compounds including sulfate, hypotaurine and taurine. Critical regulator of cellular cysteine concentrations. Has an important role in maintaining the hepatic concentration of intracellular free cysteine within a proper narrow range.[UniProtKB/Swiss-Prot Function]

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Taurine and hypotaurine metabolism

Product images:



Coomassie blue staining of purified CDO1 protein (Cat# [TP306067]). The protein was produced from HEK293T cells transfected with CDO1 cDNA clone (Cat# [RC206067]) using MegaTran 2.0 (Cat# [TT210002]).