

Product datasheet for **TP306067**

Cysteine Dioxygenase Type 1 (CDO1) (NM_001801) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cysteine dioxygenase, type I (CDO1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206067 protein sequence
Red=Cloning site Green=Tags(s)

MEQTEVLKPRTLADLIRILHQLFAGDEVNVEEVQAIMEAYESDPTIEWAMYAKFDQYRYTRNLVDQGNGKF
NLMILCWGEGHGSSIHDTNSHCFLKMLQGNLKETFAPDKKSNEMVKKSERVLRENQCAYINDSVGLH
RVENISHTEPVSLHLYSPFDTCHAFDQRTGHKNKVTMTFHSKFGIRTPNATSGSLENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 22.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001792](#)

Locus ID: 1036

UniProt ID: [Q16878](#)

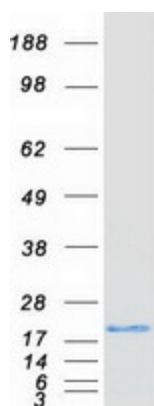
RefSeq Size: 1627



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Cytogenetics:	5q22.3
RefSeq ORF:	600
Synonyms:	CDO-I
Summary:	Initiates several important metabolic pathways related to pyruvate and several sulfurate 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]).