

## Product datasheet for TP306067L

### 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), 1 mg

**Species:** Human

**Expression Host:** HEK293T

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

MEQTEVLKPRTLADLIRILHQLFAGDEVNVEEVQAIMEAYESDPTIEWAMYAKFDQYRYTRNLVDQGNGKF  
NLMILCWGEGHGSSIHDTNSHCFLKMLQGNLKETFAPDKKSNEMVKKSERVLRENQCAYINDSVGLH  
RVENISHTEPAVSLHLYSPFDTCHAFDQRTGHKNKVTMTFHSKFGIRTPNATSGSLENN

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](#)

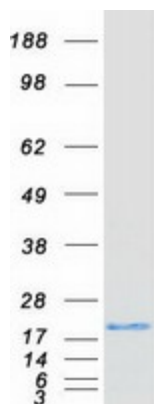
**RefSeq Size:** 1627



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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]).