

**Product Name: Recombinant Human CDO1 (N-6His)**  
**Catalog #: PEH0391**

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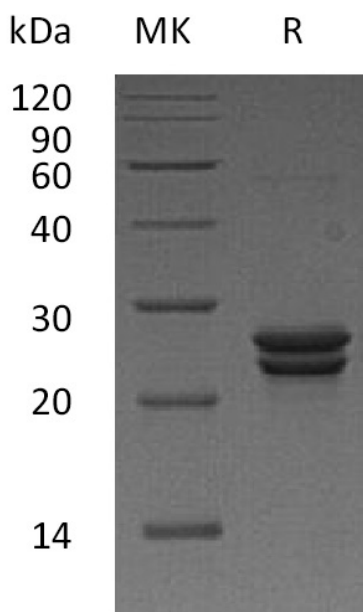
## Summary

<b>Name</b>	CDO1/Cysteine dioxygenase type 1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Cysteine Dioxygenase Type 1 is produced by our E.coli expression system and the target gene encoding Met1-Asn200 is expressed with a 6His tag at the N-terminus.
<b>Accession #</b>	Q16878
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	25.1 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 10% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

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### **Alternative Names**

Cysteine Dioxygenase Type 1; Cysteine Dioxygenase Type I; CDO; CDO-I; CDO1

### **Background**

Cysteine Dioxygenase Type 1 (CDO1) is a mammalian non-heme iron enzyme that belongs to the cysteine dioxygenase family. CDO1 is highly expressed in the liver and placenta, and has a low expression in heart, brain and pancreas. CDO1 can also be detected in hepatoblastoma HepG2 cells. CDO1 catalyzes the conversion of L-cysteine to cysteine sulfinic acid by incorporation of dioxygen. CDO1 is a vital regulator of cellular cysteine concentrations and has an essential role in maintaining the hepatic concentration of intracellular free cysteine within a proper narrow range. CDO1 is able to alter intracellular cysteine levels and glutathione levels.

### **Note**

For Research Use Only , Not for Diagnostic Use.