

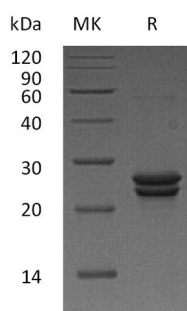
Product Name: Recombinant Human CDO1 (N-6His)
Catalog #: PEH0391



Summary

Name	CDO1/Cysteine dioxygenase type 1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q16878
Host	E.coli
Species	Human
Predicted Molecular Mass	25.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	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.
Reconstitution	

SDS-PAGE image



Background

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

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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.