

[Go to Product page](#)

Datasheet for ABIN7318381 CD01 Protein (His tag)

Overview

Quantity:	50 µg
Target:	CD01
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD01 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD01 Protein (His Tag)
Sequence:	Met 1-Asn200
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD01
Alternative Name:	CD01 (CD01 Products)
Background:	Background: Cysteine Dioxygenase Type 1 (CD01) is a mammalian non-heme iron enzyme that belongs to the cysteine dioxygenase family. CD01 is highly expressed in the liver and placenta,

Target Details

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.

Synonym: Cysteine Dioxygenase Type 1, Cysteine Dioxygenase Type I, CDO, CDO-I, CDO1

Molecular Weight: 25.1 kDa

UniProt: [Q16878](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 1 mM DTT, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.