

Product datasheet for **TP720520XL**

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)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Asn200
Tag:	N-His
Predicted MW:	25.1 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001792
Locus ID:	1036
UniProt ID:	Q16878
Cytogenetics:	5q22.3
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



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Product images: