

Product datasheet for **TP720520**

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: | Supplied as a 0.2 um filtered solution of 20mM TrisHCl, 1mM DTT, 10% Glycerol, pH 8.0. |
| Endotoxin: | < 0.1 EU per µg protein as determined by LAL test |
| Storage: | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| 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: