

Product datasheet for **AR09276PU-N**

CDO1 (1-170, His-tag) Human Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | CDO1 (1-170, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MRGSHHHHHH</u> GMASMTGGQQ MGRDLYDDDD KDRWGSHMEQ TEVLKPRTLA DLIRILHQLF AGDEVNVEEV QAIMEAYESD PTEWAMYAKF DQYRYTRNLV DQGNGKFNLM ILCWGEGHGS SIHDHTNSHC FLKMLQGNLK ETLFAWPKK SNEMVKKSER VLRENQCAYI NDSVGLHRVE NISHTEPAVS LHLYSPPFD T CHAFDQR |
| Tag: | His-tag |
| Concentration: | lot specific |
| Purity: | >90% by SDS – PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% glycerol, 1 mM DTT |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant CDO1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP_001310494</u> |
| Locus ID: | 1036 |
| UniProt ID: | <u>Q16878</u> |
| Cytogenetics: | 5q22.3 |
| Synonyms: | Cysteine dioxygenase type 1, CDO-I, Cysteine dioxygenase type I |



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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

Product images: