

## Cysteine Dioxygenase Human Recombinant

Item Number	rAP-1448
Synonyms	Cysteine dioxygenase type 1, Cysteine dioxygenase type I, CDO-I, CDO, CDO1.
Description	CDO1 Human Recombinant fused with a 37 amino acids His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 207 amino acids (1-170 a.a.) and having a molecular mass of 23.9kDa. The CDO1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q16878
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHEQ TEVLKPRTLA DLIRILHQLF AGDEVNVEEV QAIMEAYESD PTEWAMYAKF DQYRYTRNLV DQGNGKFNLML ILCWGEGHGS SIHDHTNSHC FLKMLQGNLK ETLFAWPDKK SNEMVKKSER VLRENQCAYI NDSVGLHRVE NISHTEPAVS LHLYSPFFDT CHAFDQR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The CDO1 solution contains 20mM Tris buffer(pH 8.0), 10% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**