

Cysteine dioxygenase Recombinant Protein | CDO1 recombinant protein

Cysteine dioxygenase, 1-170aa, Human, His tag, E Coli

CATALOG # AAA48562	HOST E Coli	APPLICATIONS SDS-Page
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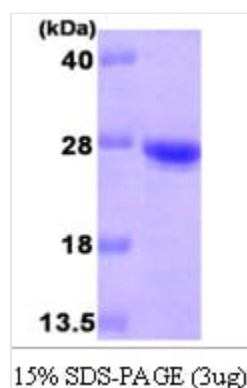
PRODUCT SYNONYMS

Cysteine dioxygenase; 1-170aa; Human; His tag; E Coli; CDO1; CDO; CDO 1; CDO I; CDO-1; CDO-I; CDOI; cytosolic cysteine dioxygenase.; CDO1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHEQ TEVLKPRTLA DLIRILHQLF AGDEVNVEEV QAIMEAYESD PTEWAMYAKF DQYRYTRNLV DQGNGKFNLM ILCWGEHGHS SIHDHTNSHC FLKMLQGNLK ETLFAWPDKK SNEMVKKSER VLRENQCAYI NDSVGLHRVE NISHTEPAVS LHLYSPPFDT CHAFDQR
Sequence Length	200
Applicable Applications for CDO1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-170aa
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CDO1 recombinant protein	Cysteine dioxygenase (CDO1) is a mammalian non-heme iron enzyme that initiates several important metabolic pathways related to pyruvate and several sulfurate compounds including sulfate, hypotaurine and taurine. This protein catalyzes the conversion of L-cysteine to cysteine sulfinic acid (cysteine sulfinic acid) by incorporation of dioxygen. CDO1 is critical regulator of cellular cysteine concentrations and has an important role in maintaining the hepatic concentration of intracellular free cysteine within a proper narrow range. Recombinant CDO1 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CDO1 recombinant protein	Redox Proteins
References	Sakakibara S., et al. (1976) Biochim Biophys Acta. 422 (2):273-9. ; Ramsden DB., et al. (1997) Mol Pathol. 50 (5):269-71.;

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q16878; P78513; Q6FHZ8; Q8TB64; B2RAK4
Molecular Weight	23.9 kDa (207aa), confirmed by MALDI-TOF.
UniProt Protein Name	Cysteine dioxygenase type 1
UniProt Gene Name	CDO1
UniProt Synonym Gene Names	CDO; CDO-I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdo1-recombinant-protein-e-coli-sds-page/48562>