

Cysteine dioxygenase, 1-170 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP01820

3th Edition

Synonyms:CDO1, CDO

Description: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 sulfinate) by incorporation of dioxygen.

Form:Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol, 1mM DTT.

Molecular Weight:23.9 kDa (207aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMEQTEVLKPRTLADLIRILHQLFAGDEVNVVEEVQAI
MEAYESDPTEWAMYAKFDQYRYTRNLVDQGNGKFNLMLCWGEGHGSSIHDTNSHCFLKMLQGNNLKETLFAWP
DKKSNEVMVKKSERVLRENQCAYINDSVGLHRVENISHTEPVSLHLYSPPFDTCHAFDQR

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.