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Datasheet for ABIN7319295 HAO1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	HAO1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HAO1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HAO1 Protein (His Tag)
Sequence:	Met 1-Ile370
Characteristics:	Recombinant Human Hydroxyacid Oxidase 1 is produced by our E.coli expression system and the target gene encoding Met1-Ile370 is expressed with a Trx, 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HAO1
Alternative Name:	HAO1 (HAO1 Products)
Background:	Background: Hydroxyacid Oxidase 1 (HAO1) is an enzyme that belongs to the FMN-Dependent α-Hydroxy Acid Dehydrogenase family. HAO1 contains 1 FMN Hydroxy Acid Dehydrogenase domain. HAO1 is expressed primarily in the liver and pancreas. This protein has 2-Hydroxyacid

Target Details

Oxidase activity. Most HAO1 is active on the 2-Carbon substrate Glycolate, but it can also be active on 2-Hydroxy fatty acids, with higher activity towards 2-Hydroxy Palmitate and 2-Hydroxy Octanoate.

Synonym: Hydroxyacid Oxidase 1, HAOX1, Glycolate Oxidase, GOX, HAO1, GOX1, HAOX1

Molecular Weight: 58.6 kDa

NCBI Accession: [NP_060015](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
