Datasheet for ABIN7318403

DAO Protein (His tag)

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Overview

Quantity:	50 µg
Target:	DAO (ABP1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DAO protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Diamine Oxidase/AOC1 Protein (His Tag)
Sequence:	Glu20-Val751
Characteristics:	Recombinant Human Amiloride-binding protein 1 is produced by our Mammalian expression system and the target gene encoding Glu20-Val751 is expressed with a 6His tag at the C-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:	DAO (ABP1)
Alternative Name:	Diamine Oxidase/AOC1 (ABP1 Products)
Background:	Background: Amiloride-sensitive amine oxidase (AOC1) belongs to the copper/topaquinone oxidase family. The protein exists as homodimer by disulfide and mainly located in placenta

Target Details

	and kidney. AOC1 catalyzes the degradation of compounds such as putrescine, histamine, spermine, and spermidine, substances involved in allergic and immune responses, cell proliferation, tissue differentiation, tumor formation, and possibly apoptosis. Placental DAO is thought to play a role in the regulation of the female reproductive function. The activity of this protein can be inhibited by amiloride in a competitive manner. It is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. Synonym: Amiloride-sensitive amine oxidase [copper-containing],DAO,Diamine oxidase,Amiloride-binding protein 1,Amine oxidase copper domain-containing protein 1,Histaminase,Kidney amine oxidase,KAO,AOC1,ABP1, DAO1
Molecular Weight:	84.4 kDa
UniProt:	P19801

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl,10 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.