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Datasheet for ABIN7319524 AOC3 Protein (Fc Tag)

Overview

Quantity:	50 µg
Target:	AOC3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AOC3 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human VAP-1/AOC3 Protein (Fc Tag)
Sequence:	Arg28-Asn763
Characteristics:	Recombinant Human Membrane primary amine oxidase is produced by our Mammalian expression system and the target gene encoding Arg28-Asn763 is expressed with a Fc 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:	AOC3
Alternative Name:	VAP-1/AOC3 (AOC3 Products)
Background:	Background: Membrane primary amine oxidase(AOC3), also known as vascular adhesion protein (VAP-1) and HPAO, this protein is a member of the semicarbazide-sensitive amine

Target Details

oxidase (SSAO) family. VAP-1 is a type 1 membrane-bound glycoprotein that has a distal adhesion domain and an enzymatically active amine oxidase site outside of the membrane, VAP-1 has adhesive properties, functional monoamine oxidase activity, and possibly plays a role in glucose handling, leukocyte trafficking, and migration during inflammation. This rise in metabolic products contributes to generating advanced glycation end-products and oxidative stress along with the monoamine detoxification in the organism. It is highly expressed on the endothelium of the lung and trachea, and absent from leukocytes and epithelial cells.

Membrane-bound VAP-1 releases an active, soluble form of the protein, which may be conducive to increased inflammation and the progression of many vascular disorders. In particular, elevation of VAP-1 activity and the increased enzymatic-mediated deamination is proposed to play a role in renal and vascular disease, oxidative stress, acute and chronic hyperglycemia, and diabetes complications.

Synonym: Membrane primary amine oxidase, Copper amine oxidase, Semicarbazide-sensitive amine oxidase, Vascular adhesion protein 1, AOC3, VAP-1, SSAO, HPAO,VAP1

Molecular Weight: 108.5 kDa

UniProt: [Q16853](#)

Pathways: [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris,500 mM NaCl, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.