

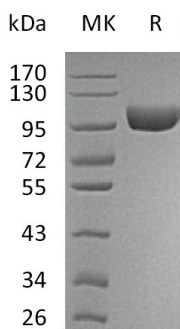
Product Name: Recombinant Human AOC3 (C-6His)
Catalog #: PHH1146



概述 (Summary)

英文全称	Membrane Primary Amine Oxidase/AOC3
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Membrane Primary Amine Oxidase is produced by our Mammalian expression system and the target gene encoding Arg28-Asn763 is expressed with a 6His tag at the C-terminus.
Accession #	Q16853
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	82.6 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names)	Membrane primary amine oxidase; Copper amine oxidase; HPAO;
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背景介绍 (References)

Semicarbazide-sensitive amine oxidase; SSAO; Vascular adhesion protein 1; VAP-1; AOC3; VAP1

Vascular adhesion protein-1(VAP-1) is a copper amine oxidase with a topaquinone cofactor. VAP-1 is a type II integral membrane protein, but a soluble form of the enzyme is present in human serum, and its level increases in diabetes and some inflammatory liver diseases. VAP-1 catalyzes the oxidative deamination of small primary amines such as methylamine, benzylamine, and aminoacetone in a reaction that produces an aldehyde, ammonia, and H₂O₂. VAP-1 vascular expression is regulated at sites of inflammation through its release from intracellular granules in which the protein is stored. The adhesive function of VAP-1 has been demonstrated in studies showing that the protein is important for the adherence of certain lymphocyte subtypes to inflamed endothelial tissues. VAP-1 mediated adhesion is involved in the process of leukocyte extravasation, an important feature of inflammatory responses. VAP-1 is considered to be a therapeutic target for diabetes, oxidative stress, and inflammatory diseases.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.