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## Product Datasheet

### Recombinant Human AOC3 (C-6His) EBT-EPT191

Article Name	Recombinant Human AOC3 (C-6His)
Biozol Catalog Number	EBT-EPT191
Supplier Catalog Number	EPT191
Alternative Catalog Number	EBT-EPT191-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 82.6 KDa. Apparent molecular weight: 90-110 KDa, reducing conditions
UniProt	<a href="#">Q16853</a>
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.  
Background: 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 H<sub>2</sub>O<sub>2</sub>. 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