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Product Datasheet

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

Artikelname	Recombinant Human AOC3 (C-6His)
Artikelnummer	EBT-EPT191
Hersteller Artikelnummer	EPT191
Alternativnummer	EBT-EPT191-50
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	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....
Molekulargewicht	Molecular weight: 82.6 KDa. Apparent molecular weight: 90-110 KDa, reducing conditions
UniProt	Q16853
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	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 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
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