

HUMAN AOC3 PROTEIN

Cat.#: 12265

Product Name: Human AOC3 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: HPAO;SSAO;VAPI;VAP-1

Target: AOC3

UNIPROT ID: Q16853

Description: Recombinant human AOC3 Protein with N-terminal 6xHis tag

Background: This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 82.6 kDa after removal of the signal peptide.

Molecular Characterization: 6xHis tag AOC3(Arg28-Asn763)

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

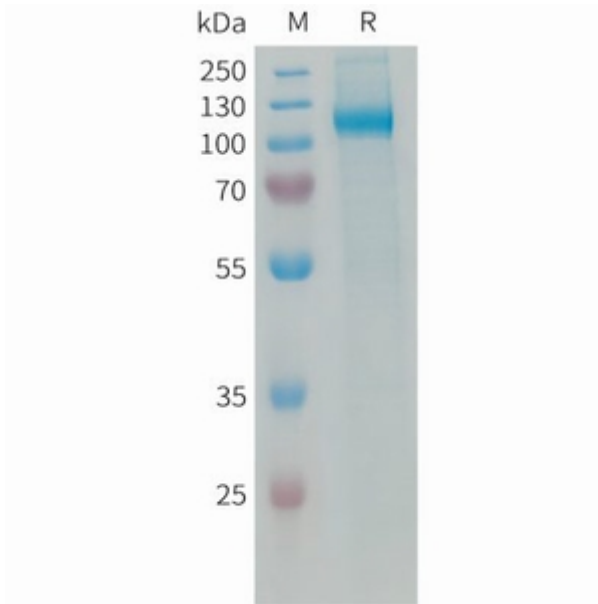


Figure 1. Human AOC3 Protein, His Tag on SDS-PAGE under reducing condition.