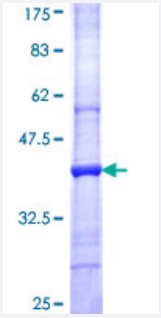
AOC3 (Human) Recombinant Protein (Q01)

Catalog # H00008639-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AOC3 partial ORF (NP_003725, 351 a.a. - 450 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DVRFQGERLVYEISLQEALAIYGGNSPAAMTTRYVDGGFGMGKYTTPLTRGVDCPYLATYVDWHF LLESQAPKTIRDAFCVFEQNQGLPLRRHHSDLYSH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AOC3

Entrez GeneID	8639
GeneBank Accession#	NM_003734
Protein Accession#	NP_003725
Gene Name	AOC3
Gene Alias	HPAO, SSAO, VAP-1, VAP1
Gene Description	amine oxidase, copper containing 3 (vascular adhesion protein 1)
Omim ID	603735
Gene Ontology	Hyperlink
Gene Summary	Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membrane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogene for this gene has been discribed and is located approximately 9-kb downstream. [provided by RefSeq
Other Designations	amine oxidase, copper containing 3|copper amine oxidase|semicarbazide-sensitive amine oxidase|vascular adhesion protein 1

Pathway

- beta-Alanine metabolism
- Biosynthesis of alkaloids derived from ornithine
- Glycine

- Isoquinoline alkaloid biosynthesis
- Metabolic pathways
- Phenylalanine metabolism
- Tropane
- Tyrosine metabolism