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Datasheet for ABIN2469190
AOC3 Protein

Overview

Quantity: 0.002 mg

Target: AOC3

Origin: Human

Source: CHO Cells

Protein Type: Recombinant

Biological Activity: Active

Product Details

Sequence: GRGGDGGEPS QLPHCPSVSP SAQPWTHPGQ SQLFADLSRE ELTAVMRFLT QRLGPGLVDA
AQARPSDNCV FSVELQLPPK AAALAHLD RG SPPPAREALA IVFFGRQPQP NVSELVWGPL
PHPSYMRDVT VERHGGPLPY HRRPVLFEY LDIDQMIFNR ELPQASGLLH HCCFYKHRGR
NLVTMTTAPR GLQSGDRATW FGLYYNISGA GFFLHHVGLL LLVNHKALDP ARWTIQKVFY
QGRYYDSLAQ LEAQFEAGLV NVVLIPDNGT GGSWSLKSPV PPGPAPPLQF YPQGPRFSVQ
GSRVASSLWT FSFGLGAFSG PRIFDVRFQG ERLVYEISLQ EALAIYGGNS PAAMTTRYVD
GGFGMGKYTT PLTRGVDCPY LATYVDWHFL LESQAPKTIR DAFCVFEQNG GLPLRRHHSD
LYSHYFGGLA ETVLVRSMS TLLNYDYVWD TVFHPSGAIE IRFYATGYIS SAFLFGATGK
YGNQVSEHTL GTVHTSAHF KVDLDVAGLE NWWAEDMVF VPMAVPWSPE HQLQLQVTR
KLEEMEEQAA FLVGSATPRY LYLASNHSNK WGHPRGYRIQ MLSFAGEPLP QNSSMARGFS
WERYQLAVTQ RKEEEPSSSS VFNQNDPWAP TVDFSDFINN ETIAGKDLVA WVTAGFLHIP
HAEDIPNTVT VGNGVGFFLR PYNFFDEDPS FYSADSIYFR GDQDAGACEV NPLACLPAQA
ACAPDLPAFS HGGFSHN

Characteristics: Biological activity was measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity >16 pMoles/min/µg of VAP-1.

Product Details

Purity:	< 95 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg of VAP-1 (1 EU/µg).

Target Details

Target:	AOC3
Alternative Name:	VAP-1 (AOC3 Products)
Background:	VAP-1 is a type II membrane cell adhesion protein belonging to the copper/topaquinone oxidase family. It is primarily expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. VAP-1 can catalyze the oxidative deamination of low molecular weight amines, and plays an important role in the migration of lymphocytes to inflamed tissue. Inhibition of VAP-1 can protect against inflammation related damage to certain injured tissues. Additionally, VAP-1 can function as a significant prognostic marker for certain cancers and cardiovascular diseases. Recombinant VAP-1 is a mixture of monomeric and disulfide linked homodimeric forms of a 737 amino acid polypeptide corresponding to amino acids 27 to 763 of the VAP-1 precursor.
Gene ID:	8639
NCBI Accession:	NP_001264660
OMIM:	480306390
UniProt:	Q16853
Pathways:	Feeding Behaviour

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Handling Advice:	As with any protein, exposing VAP-1 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C.

Handling

Reconstituted VAP-1 stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.

Expiry Date: 24 months