

32-20603: Recombinant Human VAP-1(Discontinued)

Alternative Name : Vascular Adhesion Protein-1, AOC3, SSAO, HPAO, Copper Amine Oxidase, Membrane Primary Amine Oxidase

Description

Source:CHO cells

VAP-1 is a type II membrane cell adhesion protein belonging to the copper/topaqui 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 Human 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. The calculated molecular weight of Recombinant Human VAP-1 is 81.8 kDa.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity:>= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : GRGGDGGEPS QLPHCPSVSP SAQPWTHPGQ SQLFADLSRE ELTAVMRFLT QRLGPGLVDA
AQARPSDNCV FSVELQLPPK AAALAHLD RG SPPPAREALA IVFFGRQPQ NVSELVVGPL PHPSYMRDVT
VERHGGPLPY HRRPVLFQ EY LDIDQMIFNR ELPQASGLLH HCCFYKHRGR NLVTMTTAPR GLQSGDRATW
FGLYNNISGA GFFLHHVGL E LLVNHKALDP ARWTIQKVFY QGRYYDSLAQ LEAQFEAGLV NVVLIPDNGT
GGSWSLKSPV PPGPAPPLQF YPQGPRFSVQ GSRVASSLWT FSFGLGAFSG PRIFDVRFQG ERLVYEISLQ
EALAIYGGNS PAAMTTRYVD GGFGMGKYTT PLTRGVDCPY LATYVDWHFL LESQAPKTIR DAFCVFEQNQ
GLPLRRHSD LYSHYFGGLA ETVLVRSMS TLLNYDYVWD TVFHPSGAIE IRFYATGYIS SAFLFGATGK
YGNQVSEHTL GTVHTHSAHF KVDLDVAGLE NWWVAEDMV F VPMVPWSPE HQLQRLQVTR
KLLEMEEQAA FLVGSATPRY LYLASNHSNK WGHPRGYRIQ MLSFAGEPLP QNSSMARGFS WERYQLAVTQ
RKEEPPSSSS VFNQNDPWAP TVDFSDFINN ETIAGKDLVA WVTAGFLHIP HAEDIPNTVT VGNGVGFLLR
PYNFFDEDP S FYSADSIYFR GDQDAGACEV NPLACL P QAA ACAPDLPAFS HGGFSHN

Application Note

Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity >16 pMoles/min/Å²µg of VAP-1.