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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 AAALAHLDRG SPPPAREALA IVFFGRQPQP NVSELVVGPL PHPSYMRDVT VERHGGPLPY HRRPVLFQEY LDIDQMIFNR ELPQASGLLH HCCFYKHRGR NLVTMTTAPR GLQSGDRATW FGLYYNISGA GFFLHHVGLE LLVNHKALDP ARWTIQKVFY QGRYYDSLAQ LEAQFEAGLV NVVLIPDNGT GGSWSLKSPV PPGPAPPLQF YPQGPRFSVQ GSRVASSLWT FSFGLGAFSG PRIFDVRFQG ERLVYEISLQ EALAIYGGNS PAAMTTRYVD GGFGMGKYTT PLTRGVDCPY LATYVDWHFL LESQAPKTIR DAFCVFEQNQ GLPLRRHHSD LYSHYFGGLA ETVLVVRSMS TLLNYDYVWD TVFHPSGAIE IRFYATGYIS SAFLFGATGK YGNQVSEHTL GTVHTHSAHF KVDLDVAGLE NWVWAEDMVF VPMAVPWSPE HQLQRLQVTR KLLEMEEQAA FLVGSATPRY LYLASNHSNK WGHPRGYRIQ MLSFAGEPLP QNSSMARGFS WERYQLAVTQ RKEEEPSSSS VFNQNDPWAP TVDFSDFINN ETIAGKDLVA WVTAGFLHIP HAEDIPNTVT VGNGVGFFLR PYNFFDEDPS FYSADSIYFR GDQDAGACEV NPLACLPQAA ACAPDLPAFS HGGFSHN

Application Note

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