

Recombinant Human VAP-1
Catalog # PBG10467**Specification**

Recombinant Human VAP-1 - Product Information**Recombinant Human VAP-1 - Additional Information****Description**

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.

BiologicalActivity

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

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μg of protein (<1EU/ μg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human VAP-1 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human VAP-1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human VAP-1 - Images