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32-2016: EDN2 Protein(Discontinued)

Alternative Name :	EDN2,EDN-2,vasoactive intestinal contractor peptide,VIC,ET-2,Endothelin-2,Preproendothelin-2,PPET2,ET2.

Description

EDN2 contains 21 amino acids having a molecular mass of 2546.97 Dalton. Endothelin-2 is a Hypoxia-induced Autocrine Survival Factor for Breast Tumor Cells. The synthesis of EDN2 by human kidney carcinoma cells is decreased by EGF. EDN2 is a chemoattractant for macrophages and THP-1 monocytic cells. Chemotaxis towards EDN2 is via the MAPK pathway: p44 and p42 are phosphorylated when THP-1 cells are stimulated with EDN2. Migration to EDN2 is inhibited by hypoxia and by pertussis toxin. EDN2 leads to activation of macrophages. EDN2 shares a similar peptide sequence with chemokines and may signal via a similar receptor and MAPK-mediated pathway. Furthermore, EDN2 expression by tumors may modulate the behavior of macrophages such that activated cells accumulate in areas of hypoxia.

Product Info

Amount :	5 mg
Purification :	Greater than 95.0% as determined by RP-HPLC.
Content :	The protein (1mg/ml) was lyophilized with no additives.
Storage condition :	Lyophilized EDN2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EDN2 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	Cys-Ser-Cys-Ser-Ser-Trp-Leu-Asp-Lys-Glu-Cys-Val-Tyr-Phe-Cys-His-Leu-Asp-Ile-Ile-Trp.

Application Note

It is recommended to reconstitute the lyophilized EDN2 in sterile 18MÃ□Â©-cm H2O not less than 100 Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.