9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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EDN2 Human

Endothelin-2 Human Recombinant
HRM0022

Product Overview

Name	EDN2 Human
Description	
Endothelin-2 Human Recombinant	
Accession (Primary)	P20800
Synonyms	
ET2, PPET2, Endothelin-2, ET-2, Preproendothelin-2, EDN2.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
EDN2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS QAAATLE QPASSSHAQG THLRLRRCSC SSWLDKECVY FCHLDIIWVN TPEQTAPYGL GNPPRRRRRS LPRRCQCSSA RDPACATFCL RRPWTEAGAV PSRKSPADVF QTGKTGATTG	

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ELLQRLRDIS TVKSLFAKRQ QEAMREPRST HSRWRKR.

Precautions

EDN2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P20800)