www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

EDF1 Human

Catalog #:PRPS-501

For research use only.

Description:EDF1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 156 amino acids (1-148 a.a.) and having a molecular mass of 17.4 kDa. The EDF1 is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Synonyms:EDF-1, MBF1, Multiprotein-bridging factor 1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MAESDWDTVT VLRKKGPTAA QAKSKQAILA AQRRGEDVET SKKWAAGQNK QHSITKNTAK LDRETEELHH DRVTLEVGKV IQQGRQSKGL TQKDLATKIN EKPQVIADYE SGRAIPNNQV LGKIERAIGL KLRGKDIGKP IEKGPRAKLE HHHHHH.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
0.5 mg/ml solution containing 20mM Tris pH-8, 1mM DTT, 0.1M NaCl & 10% glycerol.

Stability:
EDF1 Human althoμgh stable at 4C for 1 week, should be stored desiccated below -18C. Please prevent freeze thaw cycles.

Usage:
NeoBiolab"s products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
EDF1 controls endothelial cell differentiation. EDF1 has a role as a bridging protein that interconnects regulatory proteins and the basal transcriptional machinery, thus modulating the transcription of genes that take part in endothelial differentiation. EDF1 binds calmodulin throμgh its IQ domain and controls nitric oxide synthase activity via calmodulin sequestration in the cytoplasm. EDF1 is localized in adult liver, heart, adipose tissues, intestine and pancreas.

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