

Recombinant Human EDF1, His-tagged

Cat. No. EDF1-2774H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EDF1 protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 17.4 kDa (156aa).
Species	Human
Source	E.coli
Description	Endothelial differentiation-related factor 1, also known as EDF1 may regulate endothelial cell differentiation. It has been postulated that the protein functions as a bridging molecule that interconnects regulatory proteins and the basal transcriptional machinery, thereby modulating the transcription of genes involved in endothelial differentiation. Also, EDF1 binds calmodulin through its IQ domain and regulates nitric oxide synthase activity through calmodulin sequestration in the cytoplasm. Though ubiquitously expressed, EDF1 is most abundant in adult liver, heart, adipose tissues, intestine and pancreas.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino	MAESDWDTVT VLRKKGPTAA QAKSKQAILA AQRRGEDVET SKKWAAGQNK QH

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Acids	SI TKNTAK LDRETEELHH DRVTLGVGKV IQQGRQSKGLTQKDLATKIN EKP QVIA DYE SGRAIPNNQV LGKIERAIGL KLRGKDIGKP IEKGPRAKLE HHHHHH.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	EDF1 endothelial differentiation-related factor 1 [Homo sapiens]
Synonyms	endothelial differentiation-related factor 1; MBF1; EDF-1; MGC9058; EDF1; endothelial differentiation-related factor 1; OTTHUMP00000022618; multiprotein bridging factor 1; multiprotein bridging factor-1; multiprotein-bridging factor 1; Multiprotein-bridging factor 1
Gene ID	8721
mRNA Refseq	NM_003792
Protein Refseq	NP_003783
MIM	605107
UniProt ID	O60869
Chromosome Location	9q34.3
Function	calmodulin binding; NOT histone acetyltransferase activity; NOT methyltransferase activity; protein binding; sequence-specific DNA binding; transcription activator activity; transcription coactivator activity; NOT transcription factor activity

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