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Datasheet for ABIN7318429 EDF1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	EDF1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EDF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EDF1/MBF1 Protein (His Tag)
Sequence:	Ala2-Lys148
Characteristics:	Recombinant Human Endothelial Differentiation-Related Factor 1 is produced by our E.coli expression system and the target gene encoding Ala2-Lys148 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	EDF1
Alternative Name:	EDF1/MBF1 (EDF1 Products)
Background:	Background: Endothelial Differentiation-Related Factor 1 (EDF1) is a 148 amino acid transcriptional coactivator that contains 1 HTH cro/C1-type DNA-binding domain. It has been

Target Details

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. When endothelial cells are induced to differentiate in vitro, EDF1 is downregulated, leading to inhibition of cell growth and cell polarization. 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. In fetal tissues, EDF1 is most abundant in kidney. There are two isoforms of EDF1 that are produced as a result of alternative splicing events.

Synonym: Endothelial Differentiation-Related Factor 1, EDF-1, Multiprotein-Bridging Factor 1, MBF1, EDF1

Molecular Weight: 17.4 kDa

UniProt: [O60869](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.