

EDF1 recombinant protein

EDF1, 1-148aa, Human, His tag, E Coli

CATALOG # AAA48644	HOST E Coli	APPLICATIONS SDS-Page
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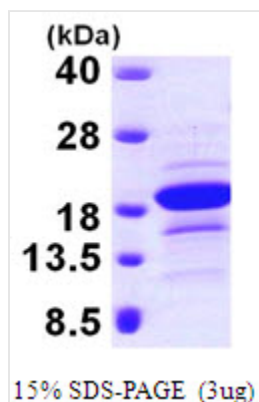
PRODUCT SYNONYMS

EDF1; 1-148aa; Human; His tag; E Coli; Endothelial differentiation-related factor 1; EDF-1; MBF1; EDF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAESDWDTVT VLRKKGPTAA QAKSKQAILA AQRRGEDVET SKKWAAGQNK QHSITKNTAK LDRETEELHH DRVTLEVGVK IQQGRQSKGL TQKDLATKIN EKPQVIADYE SGRAIPNNQV LGKIERAIGL KLRGKDIGKP IEKGPRAKLE HHHHHH
Sequence Length	148
Applicable Applications for EDF1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EDF1 recombinant protein	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 thorough 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. Recombinant human EDF1 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for EDF1 recombinant protein	Transcription & Translation
References	Mariotti M., et al. (2000) J Biol Chem. 275:24047-24051.; Dragoni I., et al. (1998) J Biol Chem. 273: 31119-31124. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503453
NCBI GeneID	8721
NCBI Accession #	NP_003783
NCBI GenBank Nucleotide #	NM_003792.3
UniProt Accession #	O60869; Q5T5T2; Q9UIM1
Molecular Weight	17.4 kDa (156aa) confirmed by MALDI-TOF
NCBI Official Full Name	endothelial differentiation-related factor 1 isoform alpha
NCBI Official Synonym Full Names	endothelial differentiation related factor 1
NCBI Official Symbol	EDF1
NCBI Official Synonym Symbols	MBF1; EDF-1; CFAP280
NCBI Protein Information	endothelial differentiation-related factor 1
UniProt Protein Name	Endothelial differentiation-related factor 1
UniProt Gene Name	EDF1
UniProt Synonym Gene Names	EDF-1; MBF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.