Recombinant human EED protein

Catalog Number: ATGP2154

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-441aa

UniProt No.
O75530

NCBI Accession No.
NP_003788.2

Alternative Names
Polycomb protein EED isoform a, embryonic ectoderm development, HEED; WAIT1

PRODUCT SPECIFICATION

Molecular Weight
52.6 kDa (464aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
EED is a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein interacts with enhancer of zeste 2, the cytoplasmic tail of integrin beta 7, immunodeficiency virus type 1 (HIV-1) MA protein, and histone deacetylase proteins. This protein mediates repression of gene activity through histone deacetylation, and may act as a specific regulator of integrin function. Recombinant EED protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography techniques.

Amino acid Sequence

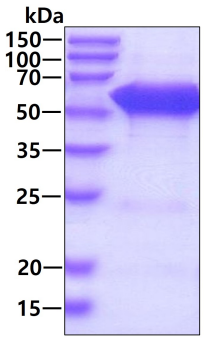
<MGSSHHHHHH SSGLVPRGSH MGS>MSEREVS TAPAGTDMPA AKKQKLSSDE NSNPDLSGDE NDDAVSIESG TNTERPDTPT NTPNAPGRKS WGKGKWKSKK CKYSFKCVNS LKEDHNQPLF GVQFNWHSKE GDPLVFATVG SNRVTLYECH SQGEIRLLQS YVDADADENF YTCAWTYDSN TSHPLLAVAG SRGIIRIINP ITMQCIKHYV GHGNAINELK FHPRDPNLLL SVSKDHALRL WNIQTDTLVA IFGGVEGHRD EVLSADYDLL GEKIMSCGMD HSLKLWRINS KRMMNAIKES YDYNPNKTNR PFISQKIHFP DFSTRDIHRN YVDCVRWLGD LILSKSCENA IVCWKPGKME DDIDKIKPSE SNVTILGRFD YSQCDIWYMR FSMDFWQKML ALGNQVGKLY VWDLEVEDPH KAKCTTLTHH KCGAAIRQTS FSRDSSILIA VCDDASIWRW DRLR

General References

Rietzler M, Bittner M, Kolanus W, Schuster A, Holzmann B (Nov 1998). J Biol Chem 273 (42): 27459-66
Schumacher A, Lichtarge O, Schwartz S, Magnuson T (Jan 1999). Genomics 54 (1): 79-88

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.