

Recombinant Human EED, His-tagged

Cat. No. EED-7643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant EED protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-441aa
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.?
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	52.6kDa (464aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEREVS TAPAGTDMPA AKKQKLSSDE NSNPDLSGDE NDDAVSIESG TINTERPDTP TNPAPGRKS WGKGKWKSKK CKYSFKCVNS LKEDHNQPLF GVQFNWHSKE GDPLVFATVG SNRVTLYECH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SQGEIRLLQS YVDADADENF YTCAWTYDSN TSHPLLAVAG SRGIIRIINP
 ITMQCIKHYV GHGNAINELK FHPRDPNLLL SVSKDHALRL WNIQTDTLVA
 IFGGVEGHRD EVLSADYDLLGEKIMSCGMD HSLKLWRINS KRMMNAIKES
 YDYNPNKTNR PFISQKIHFP DFSTRDIHRN YVDCVRWLGD LILSKSCENA
 IVCWKPGKME DDIDKIKPSE SNVTILGRFD YSQCDIWYMR FSMDFWQKML
 ALGNQVGKLY VWDLEVEDPH KAKCTTLTHH KCGAAIRQTS FSRDSSILIA
 VCDDASIWRW DRLR

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml?

GENE INFORMATION

Gene Name [EED embryonic ectoderm development \[Homo sapiens \]](#)

Official Symbol EED

Synonyms EED; embryonic ectoderm development; polycomb protein EED; HEED; WAIT 1; WD protein associating with integrin cytoplasmic tails 1; WAIT1;

Gene ID [8726](#)

mRNA Refseq [NM_003797](#)

Protein Refseq [NP_003788](#)

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MIM	605984
UniProt ID	O75530
Chromosome Location	11q14.2-q22.3
Function	chromatin binding; histone methyltransferase activity; identical protein binding; protein binding;

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