

**EED, 1-441aa, Human, His tag, E.coli****Cat.NO.: TP01968**

3th Edition

**Synonyms:** Polycomb protein EED isoform a, embryonic ectoderm development, HEED; WAIT1

**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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:** 52.6kDa (464aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMSEREVSTAPAGTDMPPAAKKQKLSSDENSNPDLSGDENDDAVSIESGTNTE  
RPDTPNTNPNAPGRKSWGKGKWKSKKCKYSFKCVNSLKEDHNQPLFGVQFNWHSKEGDPLVFATVGSNRVTLYE  
CHSQGEIRLLQSYVDADADENFYTCAWTYDSNTSHPLLAVAGSRGIIRIINPITMQCIKHVVGHNAINELKFHPRDP  
NLLLSVSKDHALRLWNIQTDTLVAIFGGVEGHRDEVLSADYDLLGEKIMSCGMDHSLKLWRINSKRMMNAIKESYDY  
NPNKTNRPFISQKIHFPDFSTRDIHRNYVDCVRWLGLILSKSCENAIVCWKPGKMEDDIDKIKPSESNVTILGRFDY  
SQCDIWYMRFSMDFWQKMLALGNQVGKLYVWDLEVEDPHKAKCTTLTHHKCGAAIRQTSFSRDSSILIAVCDDASI  
WRWDRLR

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.