
Product Data Sheet

Product Name: EED Human

Cat. No.: GP23356

Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Embryonic ectoderm development; HEED; WAIT1; Polycomb protein EED; hEED; WD protein associating with integrin cytoplasmic tails 1; EED. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMSEREVS TAPAGTDMPA AKKQKLSSDE NSNPDLSGDE NDDAVSIESG TINTERPDTPT NTPNAPGRKS WGKGKWKSKK CKYSFKCVNS LKEDHNQPLF GVQFNWHSKE GDPLVFATVG SNRVTLYECH SQGEIRLLQS YVDADADENF YTCAWTYDSN TSHPLLAVAG SRGIIRIINP ITMQCIKHIV 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. | | |
| Formulation | The EED solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. | | |

Introduction

EED is a part of the Polycomb-group family whose members form multimeric protein complexes that are involved in preserving the transcriptional repressive state of genes over successive cell generations. EED mediates repression of gene activity through histone deacetylation, and acts as a specific regulator of integrin function. EED 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

EED Human Recombinant produced in E. coli is a single polypeptide chain containing 464 amino acids (1-441) and having a molecular mass of 52.6kDa. EED is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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