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# Recombinant human AES protein

Catalog Number: ATGP0954

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-197aa

#### UniProt No.

008117

#### **NCBI Accession No.**

NP 001121

### **Alternative Names**

Amino-terminal enhancer of split, AES-1, AES-2, ESP1, GRG, GRG5, TLE5, Groucho homologue

# **PRODUCT SPECIFICATION**

### **Molecular Weight**

24.1 kDa (217aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol

#### **Purity**

> 95% 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**

Amino-terminal enhancer of split, also known AES, belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heteroologimer with other family members to dominantly repress the expression of other family member genes. This protein is expressed predominately in fetal brain, liver, lung, heart and kidney and in adult muscle. In addition, AES can repress NFkB-regulated gene expression and is thought to play an important role in initiating and maintaining cell differentiation events. Recombinant human AES protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

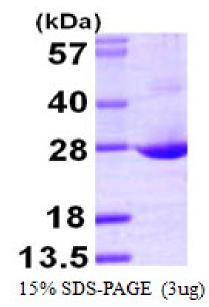
MGSSHHHHHH SSGLVPRGSH MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL ASEKSEMQRH YVMYYEMSYG LNIEMHKQAE IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH QLSQLQALAL PLTPLPVGLQ PPSLPAVSAG TGLLSLSALG SQAHLSKEDK NGHDGDTHQE DDGEKSD

# **General References**

Hou E W., et al. (1998) DNA Cell Biol. 17:911-913. Yochum G S., et al. (2001) Mol Cell Biol. 21:4110-4118.

# **DATA**





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

