

## Recombinant Human AES, His-tagged

**Cat. No.** AES-3479H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AES protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Amino-terminal enhancer of split, also known AES, belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heterooligimer 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 NFκB-regulated gene expression and is thought to play an important role in initiating and maintaining cell differentiation events.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol
<b>Molecular Weight</b>	24.1 kDa (217aa) confirmed by MALDI-TOF
<b>Purity</b>	> 95% by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL ASEKSEMQRH YVMYYEMSYG LNIEMHKQAE

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

IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH  
 QLSQLQALAL PLTPLVGLQ PPSLPVAVSAG TGLLSLSALG SQAHLKEDK  
 NGHGDGTHQE DDGEKSD

**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.

**GENE INFORMATION**
**Gene Name**

AES amino-terminal enhancer of split [ Homo sapiens ]

**Synonyms**

amino-terminal enhancer of split; GRG; ESP1; GRG5; TLE5; AES-1; AES-2; AES;  
 amino enhancer of split; gp130-associated protein GAM

**Gene ID**

166

**mRNA Refseq**

NM\_001130

**Protein Refseq**

NP\_001121

**MIM**

600188

**UniProt ID**

Q08117

**Chromosome**
**Location**

19p13.3

**Function**

protein binding; transcription corepressor activity; transcription corepressor activity

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