

Recombinant Human AES, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human AES 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
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 heterooligomer 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol
Molecular Weight	24.1 kDa (217aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL ASEKSEMQRH YVMYYEMSYG LNIEMHKQAE

 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

IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH
 QLSQLQALAL PLTPLPVGLQ PPSLPAVSAG TGLLSLSALG SQAHLKEDK
 NGHDGDTHQE 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

 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