

Recombinant human AES protein

Catalog Number: ATGP0954

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-197aa

UniProt No.

Q08117

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 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 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

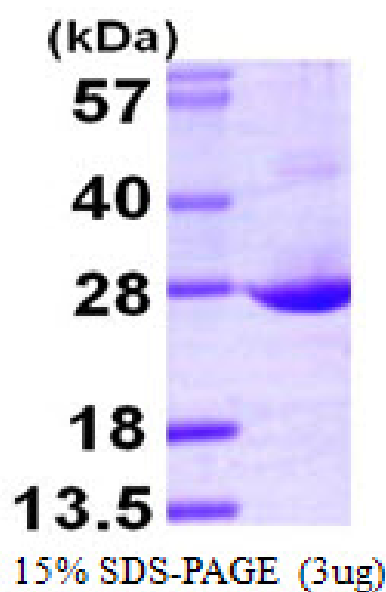
MGSSHHHHHH SSGLVPRGSH MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL ASEKSEMQRH
YVMYYEMSYG LNIEMHKQAE IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH QLSQLQALAL
PLTPLPVGLQ PPSLPAVSAG TGLLSLSALG SQAHLKEDK NGHDGDTHQE DDGEKSD

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

SDS-PAGE



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