Product information

AES, 1-197 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0954

Full name: Amino-terminal enhancer of split

NCBI Accession No.: NP_001121

Synonyms: AES-1, AES-2, ESP1, GRG; GRG5, TLE5

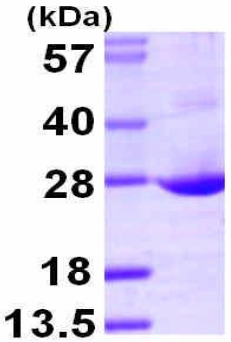
Description: Amino-terminal enhancer of split, also known AES, belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heteroologimer with other family members to dominantly repress the expression of other family member genes. This protein is expressed predominately in fetal brain, liver, lung, heart and kidney and in adult muscle. In addition, AES can repress NFκB-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.

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)



15% SDS-PAGE (3ug)

Sequences of amino acids:

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.

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.

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