
Product Data Sheet

Product Name: AES Human
 Cat. No.: GP22682
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Amino-terminal enhancer of split; Amino enhancer of split; Gp130-associated protein; GAM; Protein ESP1; Protein GRG; AES; GRG; ESP1; GRG5; TLE5; AES-1; AES-2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL ASEKSEMQRH YVMYYEMSYG LNIEMHKQAE IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH QLSQLQALAL PLTPLPVGLQ PPSLPAVSAG TGLLSLSALG SQAHLKEDK NGHDGDTHQE DDGEKSD.		
Formulation	The AES solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.		

Introduction

Amino-terminal enhancer of split (AES) is a member of the groucho/TLE family of proteins. AES can function as a homooligomer or as a heterooligomer with other family members in order to forcefully repress the expression of other family member genes. Furthermore, AES can repress NFkB-regulated gene expression and is believed to have a significant role in initiating and maintaining cell differentiation events. AES is similar in sequence to the amino terminus of Drosophila enhancer of split groucho, a protein which is involved in neurogenesis during embryonic development. The AES protein is expressed predominately in the fetal brain, liver, lung, heart and kidney and also in the adult muscle.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

AES Human Recombinant fused with a20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 217 amino acids (1-197 a.a.) and having a molecular mass of 24.1kDa. The AES is purified by proprietary chromatographic techniques.

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