9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

AES Human

Amino-Terminal Enhancer of Split Human Recombinant
RCP0019

Product Overview

Name	AES Human
Description	
Amino-Terminal Enhancer of Split Human Recombinant	
Accession (Primary)	Q08117
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.	
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 heteroologimer 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The AES solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.	
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% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL	

ASEKSEMQRH YVMYYEMSYG LNIEMHKQAE IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH QLSQLQALAL PLTPLPVGLQ PPSLPAVSAG TGLLSLSALG SQAHLSKEDK NGHDGDTHQE DDGEKSD.

Precautions

AES Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q08117)