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AES Human

Description:AES Human Recombinant fused with a 20 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.

Catalog #:PRPS-176

For research use only.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

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.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The AES solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.

Stability:
AES should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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