

Recombinant Human AES, His-tagged

Cat. No. AES-28533TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: LQAQYHSLKL ECDKLASEKS EMQRHYVMYY EMSYGLNIEM HKQAEIVKRL NGICAQVLPY LSQEHQQQVL GAIERAKQVT APELNSIIRQ LQAHQLSQLQ ALALPLTLPV VGLQPPSLPA VSAGTGLLSL SALGSQAHL S KEDKNGHDGD THQEDDGEKS D, corresponding to amino acids 36-197 of Human GRG with
Species	Human
Source	E.coli
ProteinLength	162 amino acids
Description	The protein encoded by this gene is similar in sequence to the amino terminus of Drosophila enhancer of split groucho, a protein involved in neurogenesis during embryonic development. The encoded protein, which 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. Three transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	19.000kDa inclusive of tags
Tissue specificity	Found predominantly in muscle, heart and Placenta. In fetal tissues, abundantly expressed in the heart, lung, kidney, brain and liver.

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Form	Lyophilised:Reconstitute with 157 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LQAQYHSLKLECDKLASEKSEMQRHYVMYYEMSYGLNIEMHKQAEIVKRLNGICAQ VLPYLSQEHQQQVLGAIERAKQVTAPELNSIIRQLQAHQLSQLQALALPLTPLPVGLQ PPSLPAVSAGTGLLSLSALGSQAHLKEDKNGHDGDTHQEDDGEKSD
Sequence Similarities	Belongs to the WD repeat Groucho/TLE family.

GENE INFORMATION

Gene Name	AES amino-terminal enhancer of split [Homo sapiens]
Official Symbol	AES
Synonyms	AES; amino-terminal enhancer of split; GRG5; TLE5;
Gene ID	166
mRNA Refseq	NM_001130
Protein Refseq	NP_001121
MIM	600188
Uniprot ID	Q08117

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Chromosome Location	19p13.3
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Presenilin action in Notch and Wnt signaling, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
Function	protein binding; transcription corepressor activity; transcription corepressor activity; transcription corepressor activity;

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