

Recombinant human Fetuin A/AHSG protein

Catalog Number: ATGP2080

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-367aa

UniProt No.

P02765

NCBI Accession No.

NP_001613.1

Alternative Names

Alpha-2-HS-glycoprotein, Alpha-2-HS-glycoprotein, A2HS, AHS, FETuA, HSGA

PRODUCT SPECIFICATION

Molecular Weight

39.7 kDa (372aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

AHSG, also known as fetuin-A, belongs to the fetuin class of plasma binding proteins. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. It is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has been postulated that it participates in the development of the tissues. It forms soluble complexes with calcium and phosphate and thus is a carrier of otherwise insoluble calcium phosphate. Recombinant human AHSG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography

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techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>APHGPGL IYRQPNCDPP ETEEAALVAI DYINQNLPGW YKHTLNQIDE
VKVWPQQPSG ELFEIEIDL ETTCHVLDPT PVARCSVRQL KEHAVEGDCD FLLKLDGKF SVVYAKCDSS PDSAEDVRKV
CQDCPLLAPL NDTRVVHAAK AALAAFNAQN NGSNFQLEEI SRAQLVPLPP STYVEFTVSG TDCVAKEATE AAKCNLLAEK
QYGFCKATLS EKLGGAEVAV TCTVFQTQPV TSQPQPEGAN EAVPTPVVDP DAPPSPLGA PGLPPAGSPP DSHVLLAAPP
GHQLHRAHYD LRHTFMGVVS LGSPSGEVSH PRKTRTVVQP SVGAAAGPVV PPCPGRIRHF KV

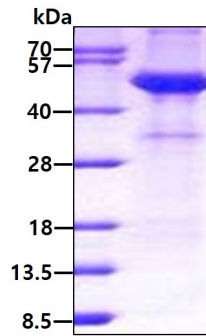
General References

Osawa M. et al. (1997) Gene. 196:121-125.

Rizzu P. et al. (1995) Cytogenet Cell Genet.. 70:26-28.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.