

Human ACBD6 Protein (His Tag)

Catalog Number: 11112-H07B



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

MGC2404, ACBD6

Protein Construction:

A DNA sequence encoding the full length of human ACBD6 (NP_115736.1) (Met 1-Ala 282) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 96 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human ACBD6 consists of 300 amino acids and predicts a molecular mass of 33.4 kDa. It migrates as an approximately 36 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

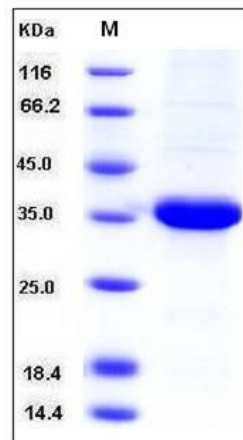
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

Acyl-CoA-binding domain-containing protein 6, also known as ACBD6 is a modular protein that carries an acyl-CoA binding domain at its N terminus and two ankyrin motifs at its C terminus. ACBD6 contains oneACB (acyl-CoA-binding) domain and twoANK repeats. ACBD6 is not a ubiquitous protein, and its expression is restricted to tissues and progenitor cells with functions in blood and vessel development. ACBD6 was detected in bone marrow, spleen, placenta, cord blood, circulating CD34+ progenitors, and embryonic-like stem cells derived from placenta. In placenta, the protein was only detected in CD34+ progenitor cells present in blood and in CD31+ endothelial cells surrounding the blood vessels. Human ACBD6 may represent a cellular marker for primitive progenitor cells with functions in hematopoiesis and vascular endothelium development.

References

1. The MGC Project. et al., 2004, Team Genome Res. 14: 2121-2127.
2. Gregory, SG. et al., 2006, Nature. 441: 315-321.
3. Soupene, E. et al., 2008, J Lipid Res. 49 (5): 1103-12.

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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>