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Datasheet for ABIN7317652 ACBD6 Protein (His tag)



Overview

| Quantity: | 100 µg |
|-------------------------------|---|
| Target: | ACBD6 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ACBD6 protein is labelled with His tag. |
| Product Details | |
| Purpose: | Recombinant Human ACBD6 Protein (His Tag) |
| Sequence: | Met 1-Ala 282 |
| Characteristics: | 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. |
| Purity: | > 96 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per μ g as determined by the LAL method. |

Target Details

| Target: | ACBD6 |
|-------------------|---|
| Alternative Name: | ACBD6 (ACBD6 Products) |
| Background: | Background: Acyl-coenzyme A binding domain-containing member 6 (ACBD6) is a modular protein that carries an acyl-CoA binding domain at its N terminus and two ankyrin motifs at its |
| | C terminus. In mammals, there are six members of the acyl-CoA binding domain-containing |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/2 | Product datasheet for ABIN7317652 | 09/09/2023 | Copyright antibodies-online. All rights reserved. (ACBD) family, and their annotation is not uniform. All six ACBD proteins contain an ACB domain at the N terminus, but they do not share significant homology at the C-terminal region. ACBD6 is a 32 kDa protein that is predicted by sequence analysis to carry an ACB domain between residues 42 and 125 and two ANK motifs at its C terminus. This protein binds long-chain acyl-CoAs with a strong preference for unsaturated, C18:1-CoA and C20:4-CoA, over saturated, C16:0-CoA, acyl species. ACBD6 is not a ubiquitous protein, but it is expressed in hematopoietic tissues and appears to be restricted to primitive stem cells present in those tissues 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 present in blood and in CD31+ endothelial cells surrounding the blood vessels. These cells were also positive for the marker CD133, and they probably constitute hemangiogenic stem cells, precursors of both blood and vessels. We propose that human ACBD6 represents a cellular marker for primitive progenitor cells with functions in hematopoiesis and vascular endothelium development.

Synonym: MGC2404,ACBD6

| Molecular Weight: | 33.4 kDa |
|---------------------|-----------|
| NCBI Accession: | NP_115736 |
| Application Dataila | |

Application Details

| Restrictions: | For Research Use only |
|------------------|---|
| Handling | |
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. |
| | Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted |
| | samples are stable at < -20°C for 3 months. |

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